THE CHEMIST AND DRUGGIST

TELEPHONE NUMBER: 3617 CENTRAL (3 lines).

Established in **ENGLAND, 1859.]**

Registered as a Newspaper.
Published Weekly at 42 CANNON STREET, LONDON, E.C.

TELEGRAPHIC ADDRESS: "CHEMICUS, CANNON, LONDON." [Charged as two words only.]

Established in **[AUSTRALASIA, 1885.**

No. 1,826. Vol. LXXXVI. JANUARY 23, 1915.

Subscription, 10s. per annum, including Diary. Free the World over. Single Copies, 6d. each. Winter and Summer Issues, 1s. each. Post Free.

Extract of Malt with **Cod Liver Oil** packed in amber-tinted glass jars —labelled.

SIZES: ½ lb., 1 lb., 2 lb., 4 lb.

Orders can be received for immediate delivery.

Allen & Hanburys, Limited, London.

Extract of Malt with **Cod Liver Oil** packed in amber-tinted glass jars —labelled.

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Orders can be received for immediate delivery.

Allen & Hanburys, Limited, London.

Index and Buyers' Guide, pp. 5, 6 and 7.

THE . . .

NEW YEAR'S RESOLUTION

TO PUSH

Wright's Coal Tar Soap

IT PAYS WELL, and the PRIZES offered for WINDOW DISPLAYS are MOST LIBERAL.

TWO SERIES A YEAR.

ORGANO-THERAPEUTICS

The facilities of Armour and Company for producing the following Preparations are unequalled, and the high quality of the finished articles show that the firm's advantages are made use of.

Pituitary Liquid—
Solution Active Principle, post. part.
Pit. Body.
Pituitary Substance } - - Whole Gland.
" Tablets }
Anterior Pituitary - - - - - - - Powder.
Posterior " - - - - - - - Powder.
Thyroids, U.S.P. 0·2 per cent. organic iodin.
Thyroid Tablets - - - - ½ to 10 grains.
Beef Peptone - - - - - - - - Powder.
Extract of Red Bone Marrow
(Medullary Glyceride)
Glyc. Lecithin - - - Emulsion of Lecithin.
Elixir of Enzymes.
Corpus Luteum - - - - - - - Powder.
" " - - - - - - - Tablets.
Thymus Substance - - - - - - Powder.
" " - - - - Tablets, 1 grain.

Suprarenal Substance - - - - - - Powder.
" " - - Tablets, 1 grain.
Parathyroid - - - - - - - - - Powder.
" - - - - - Tablets, 1/20 grain.
Trypsin - - - - - - - - - - - Powder.
" - - - - - - - - - - Glycerole.
Pepsin, B.P. - - Scale, Powder, and Gran.
" Tablets.
Essence of Pepsin.
Glycerole of Pepsin - 10 per cent. U.S.P.
Pancreatin, U.S.P.
Pancreatin, Glycerole - 10 per cent. U.S.P.
Pancreatin and Soda
(Peptonizing) Tablets.
Pancreatin and Soda
(Peptonizing) Powder.
Benzoinated Lard.

Also high test, 3,000, 4,000 and 5,000 Pepsin, and Glandular products where therapeutic value has been suggested.

ARMOUR AND COMPANY
LIMITED LONDON

Influenza Serobacterin Mulford

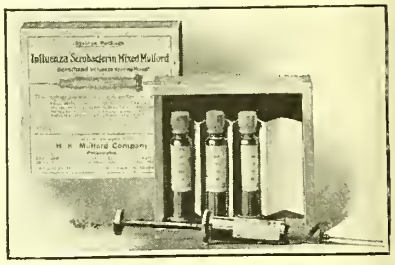
in the

Prevention and Treatment of Colds.

Colds are generally caused by attacks upon the mucous membranes of the respiratory passages, due to lowered resistance or to special virulency upon the part of the attacking bacteria.

Infection is Overcome by the production of antibacterial substances (antibodies). When the affected tissues are unable to produce antibodies sufficient to repel invasion, other parts of the body may be stimulated to produce the necessary antibodies by injecting killed bacteria corresponding to those causing the cold.

Influenza Serobacterin Mulford is used in checking epidemics of colds, influenza and catarrhal inflammations of the respiratory passages, in the prophylaxis and treatment of acute and chronic catarrhal conditions of the nose, throat and respiratory passages, especially when complicated with influenza. It contains killed bacteria (obtained from many cases of colds) treated with immune serum corresponding to each type of bacteria, to render them more active in producing immunity and to reduce local or general reactions.



Supplied in packages of four graduated aseptic glass syringes (A, B, C, D), and in single syringes, D strength, containing killed sensitized bacteria as follows :—

	A	B	C	D	
B. Influenzæ	125	250	500	1000	million
Streptococci	125	250	500	1000	million
Pneumococci	125	250	500	1000	million
M. catarrhalis (group)	125	250	500	1000	million
Staphylococci	250	500	1000	2000	million

Per package of 4 syringes (A, B, C, D) 16/6
Single syringe, D strength 6/3

Correspondence invited on Tetanus Antitoxin, Antidysenteric Serum, Typho-Bacterin (Typhoid Vaccine), Cholera Bacterin (Cholera Vaccine), for immunization of troops and nurses on active service.

AWARDED THE GOLD MEDAL FOR BIOLOGICAL PRODUCTS
at the Seventeenth International Congress of Medicine, London, August 1913

H. K. MULFORD COMPANY, *Manufacturing and Biological Chemists.*
LONDON—119 High Holborn, W.C.
Distributing Agents for Great Britain, THOMAS CHRISTY & CO., Old Swan Lane, London, E.C.

THE "CHEMIST AND DRUGGIST"

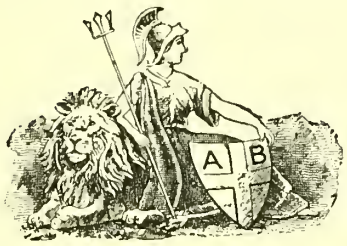
WINTER ISSUE.

January 30th, 1915.

PRICE LISTS AND CIRCULARS INSERTED

For terms apply to

THE PUBLISHER, 42 CANNON STREET, LONDON, E.C.

TRADE  MARK.

CONTRACTORS TO HIS MAJESTY'S GOVERNMENT.

GOLD MEDAL

Owing to the destruction by Fire of our Richmond Street Mills on August 31 last, and the unprecedented demand for Dressings, we have been unable to meet with our usual promptness the requirements of a number of our friends.

Our Mills at Bury, Lancashire, are now nearing completion, and after the end of this month all orders, as heretofore, will receive prompt attention.

ARTHUR BERTON, LTD.

FORMERLY **ARTHUR BERLINER**

MANUFACTURERS OF

SURGICAL DRESSINGS & CHEMISTS' SUNDRIES

WORKS AND FACTORIES:

BEN MILLS, WATERFORD MILLS, BURY, LANCASHIRE.
2a TABERNACLE STREET, LONDON.

REGISTERED OFFICE AND WAREHOUSE:

15 & 17 WORSHIP STREET,
LONDON, E.C.

Samples and Quotations on Application.

Telephones:
LONDON WALL 507.
CITY 998.

Telegrams:
"RENILREB
LONDON."

ESTABLISHED 1850.

SCOTT'S EMULSION

PROTECTED PROFIT. QUICK SALES—NO BAD STOCK. REPEAT ORDERS AND SATISFIED CUSTOMERS

Never was SCOTT'S Emulsion more widely advertised than at the present moment. The opportunity, to secure a fair share of the season's demand for this preparation, is one that few enterprising pharmacists can afford to neglect.

SCOTT & BOWNE, Ltd., 10-11, Stonecutter St., LONDON, E.C.

Why it pays to sell SCOTT'S.

SCOTT'S Emulsion reflects credit on the seller and gives satisfaction to the buyer.

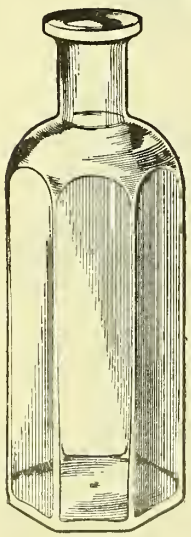
It bears a good protected profit, yet is advertised all over the United Kingdom.

It is the only emulsion with a 37 years' reputation for value and quality.

It sells quickly on sight—involving little trouble and no losses.

It is one of the few advertised products, costly to manufacture, that yields fair remuneration to the retailer.

Therefore, to sell SCOTT'S not only pays, but encourages the principles of fair trade and good protected profits.



THE

"IDEAL" BOTTLE

THE BEST FOR

SPECIALITIES AND PREPARATIONS.

The several flat sides have the effect of brilliantly reflecting the contents, thus greatly increasing the natural brightness of the preparation. This is evident when seen in a good light, as in a shop window. A good, attractive bottle, well labelled and finished, frequently sells a preparation.

MINIMUM RETAIL PRICES, PER GROSS.

	½-oz.	1-oz.	1½-oz.	2-oz.	3-oz.	4-oz.	6-oz.	8-oz.	10-oz.	12-oz.	16-oz.	20-oz.
W.G. "Ideals"	5/1	5/8	6/6	7/4	8/3	9/11	12/2	14/9	17/6	19/2	24/10	30/6
Amber and Actinic "Ideals"	6/–	6/6	7/4	8/3	9/–	10/9	13/10	15/10	19/2	20/11	27/2	32/9
W.G. "Ideals" Stoppered ...	20/11	21/5	22/7	23/1	24/7	27/2	31/7	35/6	38/5	41/9	49/9	54/2
Amber and Actinic "Ideals" Stoppered	21/5	22/7	23/5	24/3	25/4	28/10	33/4	37/3	41/3	44/–	53/–	58/9

Compare these quotations with those of other bottles, especially the stoppered ones.

TEST THE "IDEAL" BOTTLE BY PLACING THE SAME LIQUID IN AN "IDEAL" AND AN ORDINARY ROUND BOTTLE OF THE SAME SIZE, AND SEE THE DIFFERENCE IN APPEARANCE.

The "Ideal" Bottle can be obtained from Messrs. MAW, SON & SONS, EVANS SONS LESCHER & WEBB, Ltd., SANGERS, MAY, ROBERTS & Co., Ltd., J. F. MACFARLAN & Co. (Edinburgh), and other leading Wholesale Houses.

MADE IN ENGLAND.

INDEX TO ADVERTISEMENTS IN THIS ISSUE.

Head Office: 42 Cannon Street, London, E.C. Telegraphic Address: Chemicus, Cannon, London. Telephone No. 3617 Central (3 lines)
Branch Offices: Melbourne, Sydney, and Adelaide, Australia.

The Arabic numerals (1 to 32) in this Index refer to Advertisements in front of the literary pages, the Advertisements following the literary pages are numbered in Roman numerals (i to xii).

	Page
lexandre, L.	23
llen & Hanburys, Ltd.	*Cover*
lliance Drug and Chemical Co.	vii
rmour & Co., Ltd.	1
rnfield, J. C., & Sons, Ltd.	v
tkinson & Barker	viii
aillière, Tindall & Cox	12
aiss Bros. & Stevenson, Ltd.	27
aker, Parson C.	*Col. Supp.*
andoengsche Kininefabriek	vi
arnett & Foster	*Cover*
ath & West of England School	12
ayer Co.	19
eatson, Clark & Co., Ltd.	ix
eecham, T.	viii
enger's Food, Ltd.	32
erdoe & Fish	*Col. Supp.*
erton, Arthur, Ltd.	3
idwell, Bidwell & Co., Ltd.	17
irmingham & Midland College	12
lackie, R.	29
radley & Bourdas	12
rett & Co.	*Col. Supp.*
ristol-Myers Co.	23
ritish Milk Products Co., Ltd.	15
ritish Optical Institute	12
rowning, W., & Co.	29
urge, Warren & Ridgley, Ltd.	x
urrough, J., Ltd.	*Text* 102
Burroughs Wellcome & Co.	31
Cassell & Co., Ltd.	12
Celtol Supply Agency	24
Christy, T., & Co.	2, 23, 32
Cooper, Son & Co., Ltd.	23
Cuxson, Gerrard & Co., Ltd.	26
Davenport, J. T., Ltd.	xii
Davies, Sons & Co.	7
Delons, Ltd	23
De St. Dalmas, A., & Co.	x
Duncan, Flockhart & Co.	iv
Ellison, H., Ltd.	22
Eucryl, Ltd.	21
Ewen, J., & Sons	20
Exchange Column	*Col. Supp.*
Farmer, F., & Co.	22
Faulding, F. H., & Co.	24
Fentiman, A. G.	22
Fink, F., & Co.	22
Fletcher, Fletcher & Co., Ld.	*Text* 102
Frame Food Co., Ltd.	15
Freudenthoil & Co.	32
Goldberg, I. L.	23
Greeff, R. W., & Co.	9
Griffin, J. J., & Sons, Ltd.	28
Halder, E. C.	22
Hall Forster & Co., Ltd.	viii
Harley, T.	24
Haynes, G., & Co.	23
Henry, T. & W.	iv
Hertz & Co.	25
Hewlett, C. J., & Son, Ltd.	11
Heymann, H.	iv
Huisking, C. L.	20
"Ideal" Bottle	4
Ingram, J. G., & Son	xi
Isaacs, I., & Co.	20
Jackson, E., & Co.	8
Keating, T.	ix
Kent, G. B., & Sons, Ltd.	17
Lambert, Saml., & Co.	20
Laycock, Tom, & Co.	ix
Levermore, A., & Co., Ltd.	22
Lewis, H. K.	13
Liverpool School	12
Lofthouse & Saltmer, Ltd.	14
London College of Chemistry	12
McAdam & Tuckniss	*Col. Supp.*
M'Glashan, D.	14
McKesson & Robbins	18
Macnair, A., & Co.	22
Mandall & Co., Ltd.	8
Maw, S., Son & Sons	11
May & Baker, Ltd.	8
Meinecke & Co.	i
Mendit, Ltd.	14
Millar, A., & Co., Ltd.	ix
Milner's Chemical Co.	18
Mitchell, N. W., & Sons, Ltd.	30
Mumford, G. S., & Sons	*Text* 102
Newbery, F., & Sons, Ltd.	19
Nichols Chemical Co., Ltd.	iii
Nitsche&GuntherOpticalCo.,Ld.	10
Orridge & Co.	*Col. Supp.*
Plasmon, Ltd.	15
Prescott & Co.	21
Quelch, H. C., & Co.	16
Raworth, J. E.	22
Reade Bros. & Co., Ltd.	viii
Reitmeyer & Co.	30
Rendell, W. J., & Co.	xi
Resinol Chemical Co.	iii
Riley Bros., Ltd.	ix
Roberts & Co.	vi
Robinson, B., & Co., Ltd.	21
Rudduck & Co.	*Col. Supp.*
Saile, H., & Co.	ii
Sanitas Co., Ltd.	*Text* 102
Scheller, E., & Co.	vi
Scott, A.	16
Scott & Bowne, Ltd.	4
Shirley Bros., Ltd.	22
Singleton & Cole, Ltd.	22
Smith, T. & H., Ltd.	9
Solazzi	8
Solport Bros	19
Standard Tablet & Pill Co., Ltd	*Cover*
Stern Sonneborn Oil Co., Ltd.	17
Templar Malins, Ltd	22
Thomson-Knox Co.	30
Thornley, S., Ltd	17
Tomlinson, T., & Son	*Col. Supp.*
Tozana Perfumery Co	17
Universal Bottle Co.	2
Van Horn & Sawtell	22
Vernon & Co., Ltd.	ix
Vichy Co., Ltd	14
Viscose Development Co., Ltd.	30
Waide, T., & Sons	24
Wardale, F. C., & Co.	[illegible]
Warne, W., & Co., Ltd	ix
Washington Chemical Co., Ltd	iv
Western Honey Co	22
Whiffen & Sons Ltd	ix
Whitaker & Co.	28
Wright & Co.	18
Wright, John, & Co	3
Wright, Layman & Umney, Ld	*Cover*
Young, R., & Co., Ltd	24

THE BUYERS' GUIDE.

In this section, under appropriate headings, are given the names of firms advertising in this or other issues of the month. No charge is made to advertisers for the insertion of their names, but only those who have contracts current for advertising in this journal are mentioned. The headings refer generally to the **classes of goods** actually advertised, but this is not a detailed Guide such as appears in "The Chemist and Druggist Diary." Inquiries addressed to the "Information Department," The Chemist and Druggist, 42 Cannon Street, London, E.C., regarding articles not appearing in these pages receive prompt attention, as shown weekly in the editorial pages.

Absolute Alcohol
Burrough, J., Ltd.

Acetyl Cellulose
Safety Celluloid Co., Ltd.

Acetyl-Salicylic Acid
Bayer Co., Ltd.
Bush, W. J., & Co., Ltd.
Castle Laboratory
Lane-Hall, R., & Co.
Reitmeyer & Co.

Advertising
Allison, J. R. B.
Bromley, A. W.
Degen, F. A.

Aerated-Water Machinery
Barnett & Foster
Pure Aeration Supply, Ltd.

Aerated-Water Materials
Barnett & Foster
Boake Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Hay, William, Ltd.
Stevenson & Howell, Ltd.

Aerated Waters
Camwal, Ltd.
Idris & Co., Ltd.

Agencies, Colonial, &c.
Huisking, Chas. L.
Kemp, Campbell & Co.
Lennon, Ltd.

Air Cushions
Burge, Warren & Ridgley, Ld.

Alkaloids
Burroughs Wellcome & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
Reitmeyer & Co.
Roques, Ferdinand
Saile, H., & Co.
Smith, T. & H., Ltd.
Whiffen & Sons, Ltd.

Almond Oil
Allen, Stafford, & Sons, Ltd.

Aluminium Articles
Braithwaite, H., & Co., Ltd.
Buncher & Haseler, Ltd.
Fry Bros., Ltd.
Venesta, Ltd.

Ambulance Outfits
Burroughs Wellcome & Co.
Hall Forster & Co., Ltd.
Toogood, William, Ltd.

American Proprietaries
American Drug Supply Co.
Roberts & Co.

Ammonia & Salts
Brown & Blackburn
Brunner, Mond & Co., Ltd.

Anæsthetics
Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
Smith, T. & H., Ltd.

Aniline Dyes
Crawshaw, E., & Co.
Lane-Hall, R., & Co.

Annatto
Fullwood, R. J., & Bland
Tomlinson & Hayward, Ltd.

Anti-Rheumatic Rings
Burge, Warren & Ridgley, Ld.

Antiseptics
Bell (John), Hills & Lucas, Ld.
Burt, Boulton & Haywood,
Celtol Supply Agency
Jeyes' Sanitary Compds. Ltd.
Lorimer, John
Sanitas Co., Ltd.
Young, R., & Co. Ltd.

Artificial Limbs
Ferris, J. & E
Gray & Selby
Haywood, J. H., Ltd.
Maw, S., Son & Sons

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Hair, B. W., & Son
Lofthouse & Saltmer, Ltd.
Potter & Clarke, Ltd.

Atropine
Roques, Ferdinand

Bacterial Vaccines
Evans Sons Lescher & Webb, Ltd.

Balsams
Dodge & Olcott Co.

Barrels
Venesta Ltd.

Bath Gloves
Solport Bros.

Bed and Douche Pans
Meinecke & Co.

Benzoic Acid
Boehm, F., Ltd.

Bleeding Bowls
Meinecke & Co.

Bismuth Salts
Alliance Drug & Chem. Co.
Burgoyne, Burbidges & Co.
Howards & Sons, Ltd.
Lane-Hall, R., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, Alfred, & Sons

Body Belts
Berton, Arthur, Ltd.
Gray & Selby
Maw, S., Son & Sons
Schutze, F., & Co., Ltd.
Wood, Vincent

Books, &c.
Baillière, Tindall & Cox
Cassell & Co., Ltd
Churchill, J. & A.
Martindale's "Extra Pharm"
Squire's "Companion"

Botanic Druggists
Newhall & Mason
Potter & Clarke, Ltd.

Bottles, Jars, &c., Glass
Barnett & Foster
Beatson, Clark & Co., Ltd.
Ferry, T., & Son, Ltd.
"Ideal" Bottle
Isaacs, I., & Co.
Laycock, Tom, & Co.
Maw, S., Son & Sons
Melin, C., & Co.
Orrocks, Ltd.
Poths, H., & Co.
Swales, Thomas
Universal Bottle Co.
Youldon, E., Ltd.

Boxes
Ayrton, Saunders & Co., Ltd.
Ford, Shapland & Co.
Glover, C. H., & Co., Ltd.
Robinson & Sons, Ltd.
Stipendum Stopper Co.
Waide, T., & Sons

Bromides
Greeff, R. W., & Co.
Roques, Ferdinand

Brushes
Bidwell, Bidwell & Co., Ltd.
Hovenden, R., & Sons, Ltd.
Kent, G. B., & Sons, Ltd.
Maw, S., Son & Sons
Titterton & Howard

Bunion Reducer
Scholl Mnfg. Co., Ltd.

Butter Colouring
Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.

Cachets
Cooper, Son & Co., Ltd.

Cachous
Potter & Clarke, Ltd.

Cacodylates
Roques, Ferdinand

Calf Lymph
Heinemann, W.

Cameras
Butcher, W., & Sons, Ltd.

Camphor
Alliance Drug & Chemical Co.
Howards & Sons, Ltd.
May & Baker, Ltd.
Whiffen & Sons, Ltd.

Caps for Bottles, &c.
Airtight Capsules Co., Ltd.
Betts & Co., Ltd.
Darter, Wilkinson & Co.
Viscose Development Co., Ld. (Self-fixing and Airtight)

Capsuled Pills
McKesson & Robbins

Capsules (various)
Denoual, Jules, & Co.
Evans Sons Lescher & Webb,
Mawson & Co.
Stevenson, H. E., & Co.
Tye, John, & Son
Warrick Bros., Ltd.

Carbon Tetrachloride
Securitas Co., Ltd

Cash Tills
Gledhill, G. H., & Sons, Ltd.
National Cash Register Co. Ld.

Catheters
Mason Bros. & Chapman
Warne, Wm., & Co., Ltd.

Caustic Soda
Brunner, Mond & Co., Ltd.

Cements
Kay Bros., Ltd.
Mendit, Ltd.

Chalk, Precipitated
Levermore, A., & Co., Ltd.
Mumford, G. S., & Sons
Nichols Chemical Co., Ltd.
Sturge, John & E., Ltd.

Chamomile Oil
Allen, Stafford, & Sons, Ltd.

Chemical Plant
Forshaw, E., & Son, Ltd.

Chemicals
Baiss Bros. & Stevenson, Ltd.
Boake Roberts & Co., Ltd.
Boehm, F., Ltd.
Bramwell, E., & Son, Ltd.
British Drug Houses Ltd., The
Brunner, Mond & Co., Ltd.
Burgoyne, Burbidges & Co.
Burroughs Wellcome & Co.
Carnegie Bros.
Corbyn, Stacey & Co., Ltd.
Evans Sons Lescher & Webb, Ld
Greeff, R. W., & Co.
Hopkin & Williams, Ltd.
Howards & Sons, Ltd.
Lane-Hall, R., & Co.
May & Baker, Ltd.
Reitmeyer & Co.
Scheller, Emil, & Co., A. G.
Sturge, John & E., Ltd.
Tyrer, T., & Co., Ltd.
Washington Chemical Co., Ld
Whiffen & Sons, Ltd.
White, A., & Sons

Chloride of Lime
Brunner, Mond & Co., Ltd.

Chlorodyne
Davenport, J. T., Ltd

Chloroform
Burroughs Wellcome & Co.
Duncan, Flockhart & Co.
Macfarlan, J. F., & Co.
May & Baker, Ltd
Smith, T. & H., Ltd.

Cigars & Cigarettes
Singleton & Cole, Ltd.

Citric Acid and Citrates
British Drug Houses, Ltd., The
Burgoyne, Burbidges & Co.
Howards & Sons, Ltd.
Pelliot, Henri, & Cie
Sturge, John & E., Ltd.

Clinical Thermometers
Burge, Warren & Ridgley, Ld.
Bush, H. W., & Co., Ltd.
Hicks, James J
Maw, S., Son & Sons
Perken, Son & Co., Ltd.
Pillischer, J.
Powell, J. T., & Co
Zeal, G. H.

Cloth Balls
O'Neil, Zetts & Co.
Senier, Alf., & Co.

Coal Tar Specialities
Wright, Layman & Umney, Ld.

Cocaine
Roques, Ferdinand

Cocoa
Cadbury Bros., Ltd.
Plasmon, Ltd.

Cod Liver Oil
Arnfield, J. C., & Sons, Ltd
British Drug Houses, Ld., The
Bugge, Johann, & Co.
Evans Sons Lescher & Webb, Ld
Hertz & Co
Southall Bros. & Barclay, Ltd.
Sparks, White & Co., Ltd.
Wright, Layman & Umney, Ld

Collapsible Tubes
Betts & Co., Ltd.
Venesta, Ltd.

Combs
Hovenden, R., & Sons, Ltd.

Condensers
Bennett, Sons & Shears, Ltd.

Confectionery, Medicated
Guest, Thos., & Co.
Pascall, James, Ltd.

Continental Props.
Bresillon, M., & Co.
Roberts & Co.
Wilcox, Jozeau & Co.

Coppersmiths
Braithwaite, H., & Co.

Corks
Mitchell, N. W., & Sons, Ltd.

Corn Plasters
Scholl Mnfg. Co., Ltd.
Solport Bros.

Corrugated Paper
Brightling, Geo. C., & Co., Ltd.

Cotton Wool Plant
Tatham, Wm., Ltd

Counter Adjuncts
Evans Sons Lescher & Webb Ld

Counter Specialities
Allen & Hanburys, Ltd
British Drug Houses, Ltd., The
Burgoyne, Burbidges & Co.
Hewlett, C. J., & Son, Ltd
Southall Bros. & Barclay, Ltd
Wright, Layman & Umney, Ld.

Counting and Filling Machine
Forgrove Machinery Co., Ltd

Court Plaster
Solport Bros

Cream of Tartar
Moizo, Dr Giuseppe
Pelliot, Henri, & Cie

Creosote
Baiss Bros. & Stevenson, Ltd

Crepe Bandages
Gimber, W., & Son
Burge, Warren & Ridgley, Ltd.
Norwich Crepe Co. [illegible], Ltd.
Wood, Vincent

Cyanides
May & Baker, Ltd.

Dairy Specialities
Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.
Tomlinson & Hayward, Ltd.

Dental Mechanics
Fentiman, A. G.
Fentiman, A. J., & Co.
Halder, E. C.
Templar Malins, Ltd
Wardale, F. C., & Co.

Dental Tools, &c.
Edwards' Dental Mfg. Co., Ltd

Dentifrices
Beecham, T.
Beiersdorf, P., & Co
Bell (John), Hills & Lucas, Ld.
Berton, Arthur, Ltd
Blackie, Robert
Christy, T., & Co.
Cook, E., & Co., Ltd.
Cox, Arthur H., & Co., Ltd
Eucryl, Ltd
Gosnell, John, & Co., Ltd
Kolynos, Inc
McKesson & Robbins
Maw, S., Son & Sons
Odol Chemical Works
Parke, Davis & Co.
Standard Tablet & Pill Co., Ld
Woolley, J., Sons & Co., Ltd

Developers (Photo.)
Evans Sons Lescher & Webb
Johnson & Sons, Mfg. Chts.

Dextrin
Fink, F., & Co.

Diabetic Foods
[illegible]
[illegible]

Diamidophenol Hydrochlor.
[illegible]

Disinfectants
[illegible]
[illegible]
Burt, Boulton & Haywood, Ld
Cerdy & M[illegible], Ltd
Cook, E., & Co., Ltd
[illegible] Henry, Ltd
Harker, Stagg & Morgan, Ltd.
Jeyes' Sanitary Compds. Ltd
Sanitas Co., Ltd
Stevenson, H. E., & Co.
Willows, Francis, B. & T., Ltd
Wright, Layman & Umney, Ld.

Digestive Products
Fairchild Bros. & Foster

Dimethylamino-antipyrin
Lane-Hall, R., & Co.

Druggists' Sundries
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Berton, Arthur, Ltd.
Brook, Parker & Co., Ltd.
Brytstele Manfg. Co.
Burge, Warren & Ridgley, Ld.
Burgoyne, Burbidges & Co.
Bush, H. W., & Co., Ltd.
Edwards, W., & Son
EvansSonsLescher&Webb,Ld
Heymans, René F.
Hovenden, R., & Sons, Ltd
Longcroft, H. M.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Quelch, H. C., & Co.,
Sangers
Schutze, F., & Co., Ltd.
Solport Bros.
Southall Bros. & Barclay,Ltd
Swales, Thomas
Toogood, W., Ltd.
Wattenbach, O.
Woolley, J., Sons & Co., Ltd.

Drugs, Crude
Burkett, Sharp & Co.
Gathergood's Exor.
Goodall, Backhouse & Co.
Lambert, Saml., & Co.
Potter & Clarke, Ltd.
Raimes & Co.

Earthenware Jars, &c.
Fulham Pottery and Cheavin Filter Co., Ltd.

Eau de Cologne
Bronnley, H., & Co., Ltd.
Christy, Thos., & Co.
Erasmio Co., Ltd.
Gosnell, John, & Co., Ltd.
Lescol Perfumery Co.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Sangers'
Schutze, F., & Co., Ltd.
Yardley & Co., Ltd.

Educational Institutions
Bath&WestofEnglandCollege
Birmingham and Midland College
British Optical Institute
City of London College
College of Preceptors
Elt's College
Liverpool School of Pharmacy
London College of Pharmacy
North of England School
NorthernCollege of Pharmacy
School of Pharmacy
South of England College
Westminster College

Elastic Hosiery
Ayrton Saunders & Co., Ltd.
Burge, Warren & Ridgley, Ld.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Wood, Vincent

Electrical Novelties
Ward & Goldstone
Wright, Archd. J., Ltd.

Emery and Cloth
Oakey, J., & Sons, Ltd.

Emetine Salts
Macfarlan, J. F., & Co.
Whiffen & Sons, Ltd.

Emulsifiers
Bennett, Sons & Shears, Ltd.
Wilkinson, S. W., & Co.

Emulsions, C.L.O., &c.
Arnfield, J. C., & Sons, Ltd.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
Browning, Wm., & Co.
Cupal, Ltd.
Faulding, F. H., & Co.
Parke, Davis & Co.
Scott & Bowne, Ltd.
Stevenson, H. E., & Co.
Wyleys, Ltd.

Enamelled Hospital Requisites
Orme, Evans & Co., Ltd.

Endolytic Tubes
Fletcher, Fletcher & Co., Ltd

Enemas
Burge, Warren & Ridgley, Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Warne, W., & Co., Ltd.

Epsom Salts
Howards & Sons, Ltd.
May & Baker, Ltd.

Essences, Sol. and Fruit
Alliance Drug & Chem. Co.
Barnett & Foster
Boake Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
London Essence Co.
Stevenson & Howell, Ltd.

Ethers
Baiss Bros. & Stevenson, Ltd.
Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

Eucalyptus Oil
Allan, A. E.
British Drug Houses, Ltd., The
Stevenson, H. E., & Co.
Tasmanian Eucalyptus Oil Co.

Evaporators
Forehaw, E., & Son, Ltd.

Extract of Herbs
Newball & Mason
Potter & Clarke, Ltd.

Extracts (Medicinal)
Allen, Stafford, & Sons, Ltd.
Arnfield, J. C., & Sons, Ltd.
Burroughs Wellcome & Co.
EvansSonsLescher&Webb,Ld.
Gathergood's Exor.
Hewlett, C. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W. & Son, Ltd.

Factory, &c., Sites
Great Western Railway

Feeding Bottles
Bush, H. W., & Co., Ltd.
Maw, S., Son & Sons
Samson, Henry
Schutze, F., & Co., Ltd.

Filling Machines
Forgrove Machinery Co., Ltd.
Robert's Pat. Filling Mach Co.

Flycatchers
Ford, Shapland & Co.
Kay Bros., Ltd.
Smith, Jno. H., & Co.
Tunbridge & Wright

Foods, Invalid, &c.
Allen & Hanburys, Ltd.
Bell (John), Hills & Lucas, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
British Milk Products Co., Ld
Fairchild Bros. & Foster
Frame Food Co.
Harker, Stagg & Morgan, Ltd.
Lorimer, John
Lofthouse & Seltmer, Ltd.
Mellins Food, Ltd.
Natural Food Co., Ltd.
Plasmon, Ltd.
Reade Bros. & Co., Ltd.
Ridge's Royal Food Mills
Sister Lauras Infant Food Co.
Southall Bros. & Barclay, Ltd
Wander, A., Ltd.
Willows, Francis, B. & T., Ltd.
Woolley, Jas., Sons & Co., Ltd.
Wulfing, A., & Co.

Foot Appliances
Scholl Mnfg. Co., Ltd.

Fruit Drink
McGlashan, D.

Fuller's Earth
Mumford, G. S., & Sons

Fumigators
Sanitas Co., Ltd.
Seabury & Johnson

Glycerin
Price's Patent Candle Co., Ltd

Glycerophosphates
Reitmeyer & Co.

Grease Paints
Quelch, Henry C., & Co.

Grease Remover
Perkin & Co., Ltd.

Grinders, Drug, &c.
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis, B. & T., Ltd.

Gripe Water
Woodward, W., Ltd.

Gums
Fink, F., & Co.
Kidston, W. M., & Co.
Lambert Saml., & Co.

Hair Dyes
Harker, C.R., Stagg & Morgan

Hair Preparations
Alexandre, L.
Anzora Perfumery Co.
Blackie, Robert
Edwards' "Harlene" Co.
Harrison, G. W.
Osborne, Garrett & Co.
Robarc's Aureoline
Sangers
Tokalon Ltd.

Hand Carts, Trucks, &c.
Crewe & Co.

Hat Dyes
Whitaker & Co.

Heating Appliances
Kyron Heat-Giver

Herbs
Potter & Clarke, Ltd
Salle, H., & Co.

Hexamethylentetramine
Reitmeyer & Co.

Homœopathic Medicines
Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.
Leath & Ross

Honey
Western Honey Co.

Horse Remedies
Harvey & Co. (Dublin), Ltd.

Hospital Furniture
Gray & Selby

Hospital Ware (Semi-porcelain)
Meinecke & Co.

Hot Air Douches
Ward & Goldstone

Hotels
Kingsley Hotel
Thackeray Hotel

Hot Water Bottles
Berton, Arthur, Ltd.
Burge, Warren & Ridgley, Ltd.
Fulham Pottery & Cheavin Filter Co., Ltd.
Galen Manfg. Co., Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Schutze, F., & Co., Ltd.
Tompkins, J., Ltd.
Toogood, William, Ltd.
Warne, Wm., & Co., Ltd.
Wood, Vincent

Hydrogen Peroxide
May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co. Ltd.

Hypophosphites
May & Baker, Ltd
Tyrer, T., & Co., Ltd.

Infusions, Concentrated
Arnfield, J. C., & Sons, Ltd.

Inhalers
Hertz & Co.

Ink, Dichroic
Bewley & Draper, Ltd.

Ink Powder
Webster, T., & Co.

Insecticides
Christy, T., & Co.
Cook, E., & Co., Ltd.

Insect Powder
Keating, Thomas
Potter & Clarke, Ltd.
Raimes & Co.

Lard
Ewen, J., & Sons

Lavender Oil
Allen, Stafford, & Sons, Ltd.
Ransom, W., & Son, Ltd.

Lavender Water
Bush, W. J., & Co., Ltd.
Gosnell, John, & Co., Ltd.
Vinolia Co., Ltd.
Yardley & Co., Ltd.

Ligatures
Seabury & Johnson

Lime Juice and Cordial
EvansSonsLescher&Webb,Ld
Goodall, Backhouse & Co.
Idris & Co., Ltd.

Linseed, Crushed
Mumford, G. S., & Sons

Lints
Liverpool Lint Co.
Maw, S., Son & Sons
Robinson & Sons, Ltd.
Vernon & Co., Ltd.

Liquorice Juice
Apollo
Boehm, F., Ltd.
EvansSonsLescher&Webb,Ld
Jackson, Ernest, & Co.
Solazzi

Lithia Salts
British Drug Houses, Ld., The
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.

Loofahs
Hall Foreter & Co., Ltd.
Internl. Sponge Importers, Ld
Solport Bros.
Swalee, Thomas

Lozenges
Cartwright, W. B., Ltd.
Denoual, Jules, & Co.
Guest, Thos., & Co.
Jackson, Ernest, & Co.
Potter & Clarke, Ltd
Raimes & Co.
Warrick Bros., Ltd

Machinery, Pharmacal
Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Forgrove Machinery Co., Ltd.
Forshaw, E., & Son, Ltd.
Gardner, Wm., & Sons, Ltd.
Griffin, John J., & Sons, Ltd.
Pindar, J. W., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.

Magnesia and Preps.
Allen & Hanburys Ltd.
Ayrton, Saunders & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Henry, T. & W.
Howards & Sons, Ltd.
Phillips, Chas. H., Chem. Co.
Tokalon Ltd.
Washington Chemical Co., Ld.
Wigglesworth & Co.

Malt Extract and Preps.
Allen & Hanburys, Ltd.
Blackie, Robert
British Drug Houses, Ld., The
Burroughs Wellcome & Co.
Calder, James, & Co., Ltd.
Corbyn, Stacey & Co., Ltd
Davies, Sons & Co
EvansSonsLescher&Webb,Ld
Fletcher, Fletcher & Co., Ltd.
Lorimer Marshall, Ltd.
May, Roberts & Co., Ltd
Paine & Co., Ltd.
Pascall, James, Ltd.
Wyleys, Ltd.

Marking Ink
John Bond ("Crystal Palace")

Measures, Graduated
Bush, H. W., & Co., Ltd

Meat Extracts
Armour & Co., Ltd.
Bovril, Ltd.
Brand & Co., Ltd.
Tooth's Extract of Meat Co.

Medical Coils
Ward & Goldstone

Mercurials
Alliance Drug & Chemical Co.
Howards & Sons, Ltd.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
Whiffen & Sons, Ltd.

Metal Clips
Griffin, John J., & Sons, Ltd.

Methylarsenates
Roques, Ferdinand

Methylated Spirit
Burrough, J., Ltd.
Preston's Liverpool Distillery
Randall & Son, Ltd. [Co., Ld.
Riddell & Smith
Thornley, Samuel, Ltd.

Metric Weights
Avery, W. & T., Ltd.

Mineral Waters
Camwal, Ltd.
Idris & Co., Ltd.
Ingram & Royle, Ltd.

Mixers and Sifters
Gardner, Wm. & Sons (Glos.) Ld

Mustard Seed Oil
Johnson, J. H. & S.

Naphthalene
Burt, Boulton & Haywood, Ld.

Night Lights
Price's Patent Candle Co., Ld.

Oils, Essential
Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chemical Co
Boake Roberts & Co., Ltd.
Boehm, F., Ltd.
Bonaventura, F., & Co.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
EvansSonsLescher&Webb,Ld
Lambert, Saml., & Co.
Lane-Hall, R., & Co.
London Essence Co.
Lueders, George, & Co.
Poppelreuter W.
Ransom, W., & Son, Ltd.
Stevenson & Howell, Ltd.
Wright, Layman & Umney, Ld.

Oils, Mineral, Fatty, &c.
Allen, Stafford, & Sons, Ltd
Boehm, F., Ltd.
Hertz & Co.
Price's Patent Candle Co. Ld
Steru Sonneborn Oil Co., Ltd.

Ointments
Blackie, Robert
Burgess, E.
Oldfield, Pattinson & Co.
Peat Products (Sphagnol) Ltd.

Olive Oil Soap
Boehm, F., Ltd.

Optical Goods
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Optical Co., Ltd.
Standard Optical Co.

Optical Tuition
British Optical Institute
College of Optics
Spectacle Makers Company

Orange and Quinine Wine
Idris & Co., Ltd.
Millar, A., & Co., Ltd.
Robinson, B., & Co., Ltd.

Organic Solvents
Hopkin & Williams, Ltd.

Organo-Therapeutic Preps.
Armour & Co., Ltd.
Duncan, Flockhart & Co.

Otto Rose (Synth.)
Bush, W. J., & Co., Ltd.
Kerfoot, Thos., & Co.
Stevenson & Howell, Ltd
Warrick Bros., Ltd.
Wright, Layman & Umney, Ld.

Oxygen Baths
Wright & Co.

Packed Goods
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd., The
Cartwright, W. B., Ltd.
Corbyn, Stacey & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Christy, Thos., & Co.
Cupal, Ltd.
Davies, Sons & Co.
Evans Sons Lescher & Webb, Ld
Goodall, Backhouse & Co.
Harker, C. R., Stagg & Morgan
Lofthouse & Saltmer, Ltd.
May, Roberts & Co., Ltd.
Oldfield, Pattinson & Co.
Potter & Clarke, Ltd.
Sangers
Shirley Bros., Ltd.
Southall Bros. & Barclay, Ltd
Standard Tablet & Pill Co., Ld.
Toogood, W., Ltd.

Palatinoids
Oppenheimer, Son & Co., Ltd.

Paper Handkerchiefs
Powell, J. T., & Co.

Paraffinum Liquidum
Browning, Wm., & Co.
Chesebrough Mnfg. Co.
Stern Sonneborn Oil Co., Ltd.

Pastilles
Allen & Hanburys, Ltd.
Burroughs Wellcome & Co.
Evans Sons, Lescher & Webb
Guest, Thos., & Co.
Kerfoot, Thomas, & Co.
Wander, A., Ltd.
Warrick Bros., Ltd.

Patent Agents
Barker, R. W.
Raworth, John E.

Peppermint Oils
Allen, Stafford, & Sons, Ltd.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Ransom, W., & Son, Ltd.

Perfume Materials
Bonaventura, F., & Co.,
Bush, W. J., & Co., Ltd.
Hertz & Co.
Kerfoot, T., & Co.
Lane-Hall, R., & Co.
Lueders, George, & Co.
Naef, M., & Co., Sucors.
Wright, Layman & Umney, Ld.

Perfumes
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ld., The
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Erasmio Co., Ltd.
EvansSonsLescher&Webb,Ld
Gosnell, John, & Co., Ltd.
Lescol Perfumery Co.
Lorimer-Marshall, Ltd.
Potter & Clarke, Ltd.
Price's Co., Ltd.
Quelch, H. C., & Co.
Shirley Bros., Ltd.
Southall Bros. & Barclay, Ld.
Tozuna Perfumery Co.
Vinolia Co., Ltd.
Warrick Bros., Ltd.
West, T., & Son
Yardley & Co., Ltd.

Perles
Tye, John, & Son

Pessaries (Soluble)
Burge, Warren & Ridgley, Ld.
Rendell, W. J.

Petroleum Jelly
Chesebrough Manfg. Co.
Kidston, W. M., & Co.
Stern Sonneborn Oil Co., Ltd.

Phenacetin
Greeff, R. W., & Co.
Reitmeyer & Co.

Phosphorus and Preps.
May & Baker, Ltd.

Photo. Chemicals
Greeff, R. W., & Co.
Johnson & Sons (Manufactg. Chemists), Ltd.
Lane-Hall, R., & Co.
Reitmeyer & Co.

Photo
Ayrton, San
Burroughs W
Butcher, W.,
EvansSonsLe
Kent, G. B.,
Lennon, Ltd
May, Rober
Newbery, F.
Rajar, Ltd.
Sangers
Wyleys, Ltd.

Photo.
Rajar, Ltd.

Pill
Cox, A. H., &
Davies, Sons
Howard Lloy
McKesson &
Standard Tal
Wand Manuf

Pilo
Roques, Ferd

Pla
Allcock Man
Dalmas, A. d
Galen Manuf
Seabury & Jo

Plate
Griffiths, T. I

Pleat
Darter, Wilk

Pocke El
Ward & Gold

Polishes
Bradley & B
Oakey, J., &

Posta
Hertz & Co.
Robinson &

Pot Perm
Heymann, H

Powd
Lorimer, Ma
Papier Poud

Pr
Ford, Shapla
Suttley & Sl
Townsend, J
Watde, T., &
Wilkinson, J

Pro Ar
Angier Chem
Anglo-Amer
Ashton & Pa
Beecham, T.
Bell (John), H
Bishop, Alfr
Bow's Linim
Bresillon, M
Bristol-Myr
Browning, W
Burgess, E.
Castle Labor
Christy, T.,
Cockle, Jam
Coleman & C
Corbyn, Stac
Crimson Cr
Cupal, Ltd.
Daisy, Ltd.
Davenport,
Deions, Ltd.
De Roos, Jol
Duncan, Flo
Edwards, W
EvansSonsL
Expurgo Ma
Fellows' Me
Fennings, A
Ferris & Co.
Fulford, C. I
Goodall, Bac
Harrison, Ge
Henry, T. &
Hommel's (
Kay Bros., L
Kutnow, S.,
Kyho Propri
London Prop
Mandall &
Martindale,
May, Rober
Midland De
Morgan Jon
Mumford,
Newbery, F
Odol Chem
Old Fort C
Oppenheim
Owbridge
Peat Produ
Phillips, C
Pneumosal
Primer, J.
Resinol Ch
Sanalak, L
Sangers
Scott & Bo
Squire & S
Standard T
Thompson
Tokalon L
Tunbridge
Wander, A
Warrick B
White, A.,
Willcox, J
Woodward
Wright & C
Wright, La

Schutze, F
Solport Br

Pyro
Greeff, R.

ine and Salts
Drug & Chem. Co.
g Quinine Factory
Stacey & Co., Ltd.
. W., & Co.
s & Sons, Ltd
er & Co.

Razors
n, R., & Sons, Ltd.
W. P.
Son & Sons

Reagents
& Williams, Ltd.

osins and Resinoids
afford, & Sons, Ltd.
n, J. P., & Co.
W., & Son, Ltd.
. & H., Ltd.

ospirators
& Co.

bber Goods
am Rubber Co.,
arthur, Ltd.
arren & Ridgley, Ltd.
J. H., Ltd.
J. G., & Son
Son & Sons
., & Co., Ltd.

ber Stamps
C. D.

lic Acid and Salicylates
J., & Co., Ltd.

santonine
I. L.

Saponin
W.

Scientific Apparatus
on & Co., Ltd.
J.
& Branson, Ltd.

and Weights
& T., Ltd.

ea Salt
Son, Ltd.

d Dressing
Arthur E.
& Hayward, Ltd.

Seeds
Clarke, Ltd.

rums and titoxins
anburys, Ltd.
s Wellcome & Co., Ltd.
., & Co.
s Lescher & Webb, Ltd
vis & Co.
ocean & Co

Shampoo Powders
Standard Tablet & Pill Co., Ld.

Shares
McAdam & Tucknisa

Shaving Blocks
N. A. P. Co.

Sheep Dips
Burt, Boulton & Haywood Ld.
Tomlinson & Hayward, Ltd.

Shop Fittings
Ayrton-Graham, Ltd.
Cook, George
Evans Sons Lescher & Webb, Ld
Edmonds, A., & Co., Ltd.
Farley & Co.
Grant, D.
Harris & Sheldon, Ltd.
Josephs, Philip, & Sons, Ltd.
Maw, S., Son & Sons
Mills, H.
Parnall & Sons
Ruddock & Co.
Sangers

Shoulder Straps
Wood, Vincent

Signs, Electric, &c.
Universal Sign Works

Silverware Goods
Scott, Adolph

Soap-making Plant
Forshaw, E., & Son Ltd.

Soaps, Toilet, &c.
Allen & Hanburys, Ltd.
Armour & Co., Ltd.
Bell (John), Hills & Lucas, Ld.
Bronnley, H., & Co., Ltd.
Chesebrough Manfg. Co.
Christy, Thos., & Co.
Cook, E., & Co., Ltd.
Erasmic Co., Ltd.
Eucryl, Ltd.
Evans Sons Lescher & Webb, Ld
Ewen, James, & Sons
Faulding, F. H., & Co.
Field, J. C. & J., Ltd.
Fulford, C. E., Ltd.
Gosnell, John, & Co., Ltd.
Harrison, G. W.
Hovenden, R., & Sons, Ltd.
Lescol Perfumery Co.
McClintons, Ltd.
Pears, A. & F., Ltd.
Price's Patent Candle Co., Ld.
Resinol Chemical Co.
Wright, Layman & Umney, Ld.

Sodium Bicarbonate
Brunner, Mond & Co., Ltd.
Howards & Sons, Ltd.

Soothers
Newbery, F., & Sons, Ltd.
Schutze, F., & Co., Ltd.

Sparteine
Roques, Ferdinand

Spectacles
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Optical Co., Ltd.

Spermaceti
Price's Patent Candle Co., Ld.

Sphygmometers
Hicks, James J.

Spices (Ground)
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.

Spirit of Wine
Burrough, J., Ltd.
Calder, James, & Co., Ltd.
Preston's Liverpool Distillery Co., Ltd.

Sponges
Internl. Sponge Importers, Ld.

Sprays
Burgo, Warren & Ridgley, Ltd.
Christy, Thos., & Co.
Hertz & Co.
Hovenden, R., & Sons, Ltd.
Marvel Company
Maw, S., Son & Sons
Parke, Davis & Co.
Sangers
Toogood, Wm., Ltd.

Sprinkler Corks
Betts & Co., Ltd.
Brooks, Peel & Co.

Spruce Beer
Hobson, Joseph, & Son

Starch
Corn Products Co., Ltd.
Mumford, G. S., & Sons

Stills
Bennett, Sons & Shears, Ltd.
Forshaw, E., & Son, Ltd.
Stokes, F. J., Machine Co.

Stoppers
Stipendum Stopper Co.

Surgical Appliances & Dressings
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
Berton, Arthur, Ltd.
Burgoyne, Burbidges & Co.
Burroughs Wellcome & Co.
Bush, Henry W., & Co., Ltd.
Carnegie Bros.
Cuxson, Gerrard & Co., Ltd.
Dalmas, A. de St., & Co.
Galen Manfg. Co., Ltd.
Gimher, W., & Son
Gray & Selby
Haynes, G., & Co.
Liverpool Lint Co.
Macfarlan, J. F., & Co.
Marvel Company.
Mason Bros. & Chapman
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Reynolds & Branson, Ltd.
Robinson & Sons, Ltd.
Seabury & Johnson
Southall Bros. & Barclay, Ltd.
Thermogene Co., Ltd.
Van Horn & Sawtell
Vernon & Co., Ltd.
Warne, W., & Co., Ltd.
Wood, Vincent
Woolley J., Sons & Co., Ltd.

Suspensory Bandages
Bailey, W. H., & Sons

Syphons
Barnett & Foster
Camwal, Ltd.
Idris & Co., Ltd.
Pure Aeration Supply, Ltd.
Sharman's Pat. Syphon Co., Ld.

Syringes
Bush, H. W., & Co., Ltd.
Gray & Selby

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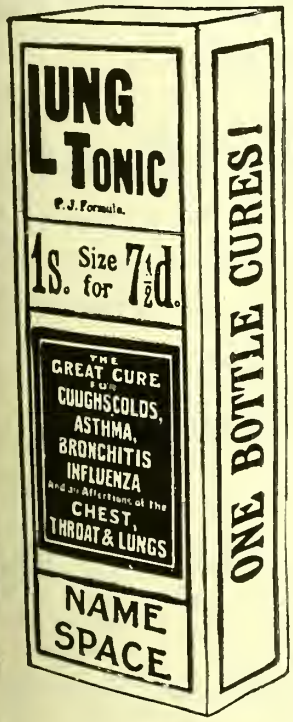

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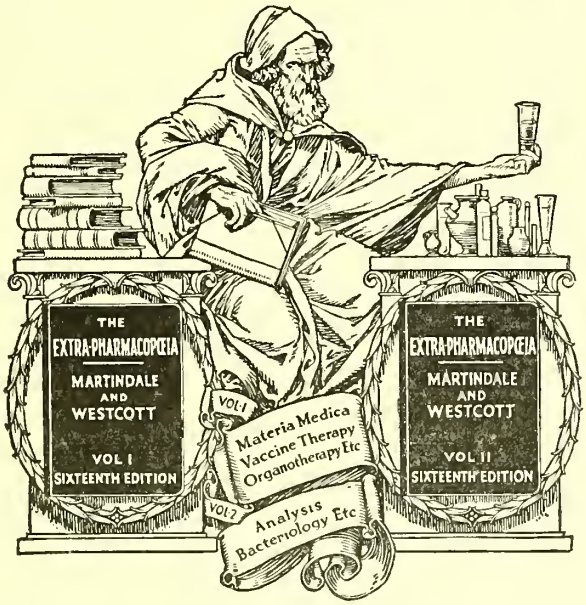

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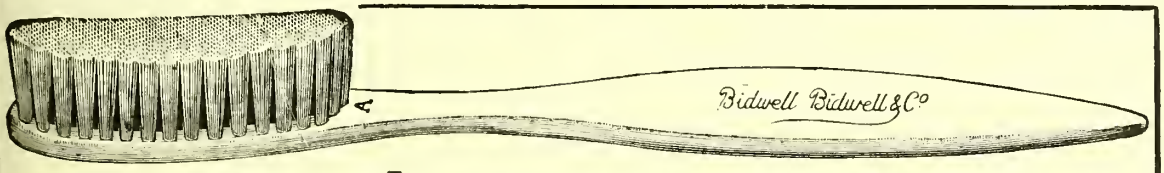

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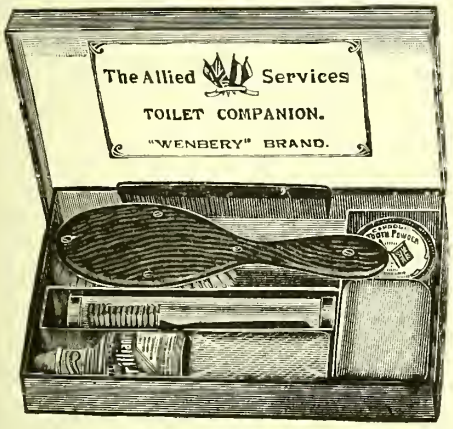

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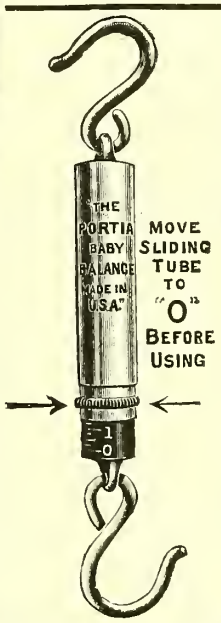

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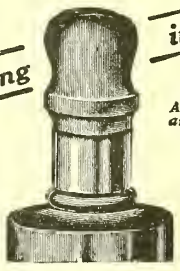

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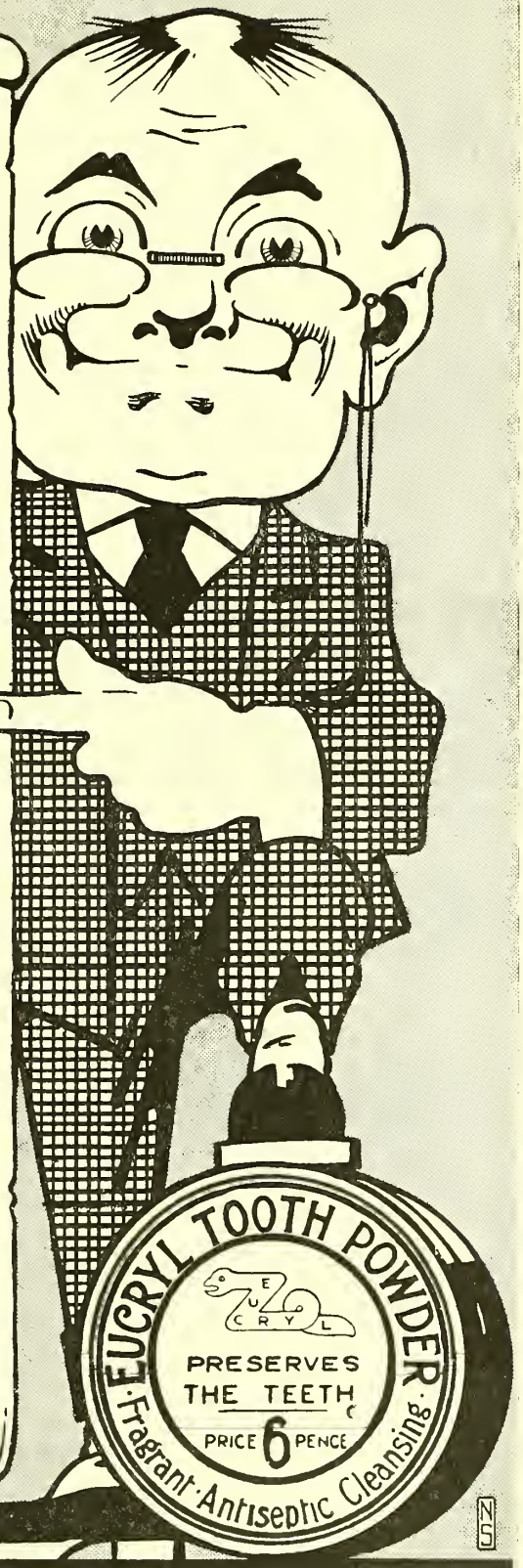

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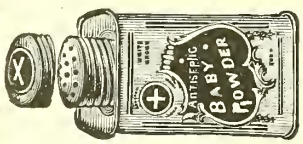

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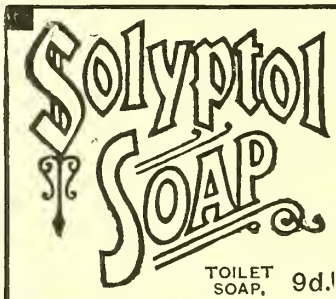

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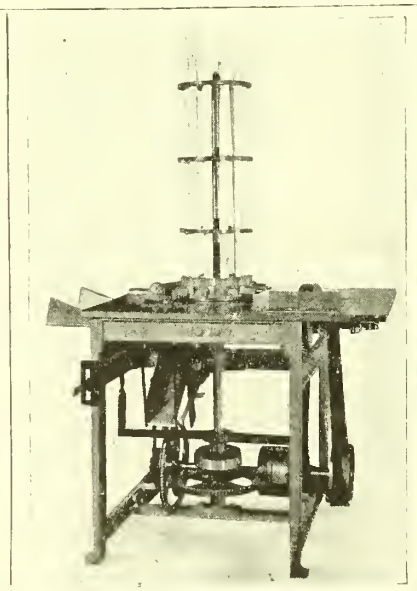

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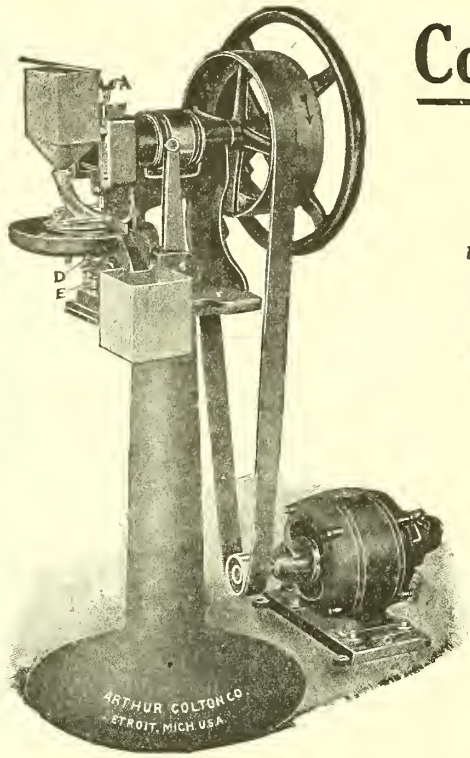

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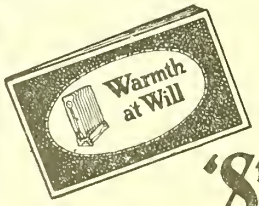

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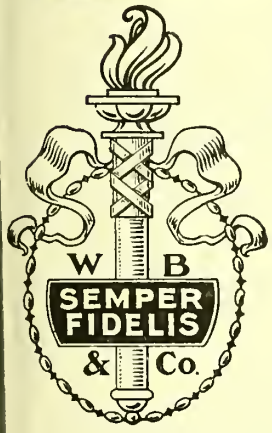

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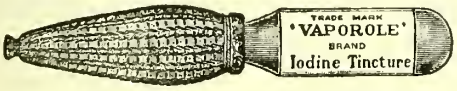

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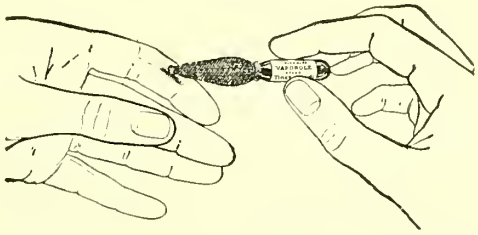

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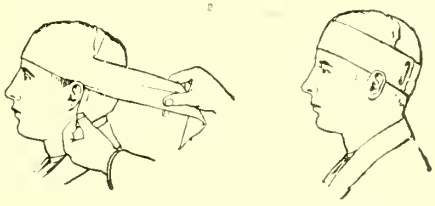

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CONTENTS: No. 4 (Series No. 1826), Vol. 86.

	PAGE		PAGE
Bankruptcy Reports	40	Gazette	41
Births	41	Information Department	46
British Pharmaceutical Conference	44	Insurance Act Dispensing	52
British Pharmacopœia	50	Irish News	37
Business Changes	43	Legal Reports	39
C. & D. Dose and Metric Card	51	Marriage	41
Company News	40	Observations and Reflections	47
Corner for Students	36	P.A.T.A.	44
Correspondence	59	Personalities	45
Deaths	41	Pharmaceutical Society of Ireland	43
Deeds of Arrangement	41	Retrospect	60
Editorial Articles—		Scottish News	38
Alien Enemies' Rights	48	Trade-marks	42
Dutch Pharmacy	49	Trade Notes	42
Insurance Dispensing Grievances	49	Trade Report	55
English News	36	Veterinary Notes	46
European War	33	War Wants and Worries	51
Evolution of the Pharmacist	51	Wills	50
French News	39	Winter Session	54

In the Coloured Supplement.

Almanacs and Calendars.	Harrow Association.
College Notes.	Netherland Notes.
Coming Events.	South African News.

Summary.

Next week's issue of the *C. & D.* being our Winter Number, we shall close for press with everything, except the Coloured Supplement, on Wednesday.

The pass-lists of the Irish Pharmaceutical examinations are given on p. 37.

Further interesting notes on the new B.P. begin on p. 50, some of them being critical.

The proposals for the increased production of British aniline dyes are to be modified (p. 34).

War Office contracts for disinfectants, chemical products, and surgical dressings are mentioned on p. 36.

The Court of Appeal has given judgment in regard to alien enemies trading in this country, which are epitomised on p. 48.

Dutch pharmacy law is to be amended. The proposals would bring the law more in accord with the British Poison Acts (p. 49).

The B.P.C. will not meet in Scarborough this year, but in London for formal business, which will include a code of dispensing rules (p. 44).

Mr. W. Edwards is the new President of the P.A.T.A., whose Council has discussed a proposal to take off the list articles owned by enemies (pp. 44-46).

Matters do not appear to be going well for panel chemists. The Insurance Commissioners are leaving undone things that they ought to do, and *vice versa*. Read the editorial on p. 49.

The markets this week have been fairly active, with movements upwards in various articles, especially menthol, peppermint oil, quinine, and produce affected by war conditions. We give the latest information as to the German markets, and a whole page is devoted to arrivals of chemicals and drugs in English ports (pp. 53-56).

European War.

Guarding our Money.—The most notable financial event of this week is the issue by the Treasury of a memorandum in regard to the necessity of husbanding the financial resources of the country, with a view to the successful prosecution of the war. Until further notice, fresh issues of capital must be approved by the Treasury before they are made, in accordance with the following general conditions:

1. Issues for undertakings carried on or to be carried on in the United Kingdom shall only be allowed where it is shown to the satisfaction of the Treasury that they are advisable in the national interest.
2. Issues or participations in issues for undertakings carried on or to be carried on in the British Empire Overseas shall only be allowed where it is shown to the satisfaction of the Treasury that urgent necessity and special circumstances exist.
3. Issues or participations in issues for undertakings carried on or to be carried on outside the British Empire shall not be allowed.
4. The Treasury will not in ordinary cases insist upon the above restrictions where issues are required for the renewal of Treasury bills or other short instruments held here and falling due of foreign or Colonial Governments or municipal corporations or railways or other undertakings.

All applications should be made in the first instance to the Treasury. In financial and business circles the memorandum has been most cordially welcomed.

Pharmaceutical Roll of Honour.

Non Sibi sed Patriæ.—CICERO.

EIGHTEENTH LIST.

ALEXANDER, Corporal Adam (son of the late Mr. Alexander Alexander, chemist, Alford, Aberdeenshire), 6th Batt. Gordon Highlanders (T.F.).

BOWMAN, Second-Lieut. W. P. (son of the senior partner of Goodall, Backhouse & Co., Ltd., Leeds), Prince of Wales' Own West Yorkshire Regiment (Leeds Battalion). Second-Lieut. Bowman has served for several months as corporal despatch-rider with the Royal Engineers at York.

CROWDEN, H. Graham, M.A. (son of Mr. S. G. Crowden, pharmacist, of the British Drug Houses, Ltd.), second-lieutenant, Royal Scots.

FORBES, Alexander (Canadian Contingent), and Walter Forbes, sergeant and riding-master, Royal Artillery, City Road, N., sons of Mr. Alexander Forbes, formerly of May, Roberts & Co., Ltd., London.

FORRET, William (son of Mr. J. A. Forret, chemist, Edinburgh), Sir George McCrae's Battalion The Royal Scots.

GRAY, Edward, Glasgow, 9th Batt. Highland Light Infantry (Glasgow Highlanders).

GREEN, Horace Goodrich, chemist and druggist (son of the late Mr. A. G. Green, chemist and druggist, Acton, London, W., and recently with North & Rae, Yokohama, Japan), R.A.M.C.

MORSON, A. C., F.R.C.S. (son of Mr. T. Pierre Morson), surgeon on H.M.S. *Zealandia*.

TIMOTHY, D. I. (lately with Mr. D. T. Evans, chemist and druggist, Margate), R.A.M.C.

Mr. R. A. Robinson, Ph.C., barrister-at-law, of the Honourable Artillery Company, has obtained a commission.

Mr. Horace Bland, Ph.C., who is attached to the 49th Field Ambulance, R.A.M.C., has been promoted to the rank of sergeant.

Mr. F. B. Winfield, son of Mr. F. Winfield, pharmacist, Solihull, is acting as surgeon at the Principal Military Hospital at Boulogne.

Fairchild Scholarship and Prizes.

Mr. A. E. Holden, Albert Chambers, Holborn Viaduct, London, E.C., Secretary to the Trustees of the above, has issued the following statement:

STUDENTS ON WAR SERVICE.

Should any students who had contemplated entering the 1915 examination for the Fairchild Scholarship and Prizes serve with the Colours, the Board of Trustees have decided that they will be admitted to a subsequent examination after the war, although such students may then be outside the age-limit ruling in normal conditions.

Each application made hereafter under this provision will be considered on its merits by the Board of Trustees.

B

This arrangement will give general satisfaction. A very large number of students of pharmacy who are at present eligible to enter for the examination are now serving with the Colours, and may not be back in time to compete. The Trustees have therefore acted gracefully in ensuring that the loyalty of such students should not be a bar to their professional prospects.

Aniline-dye Manufacture.

Our Parliamentary correspondent learns that a circular has been addressed by the Board of Trade to all the users of aniline and other dyes asking particulars as to the amount of stocks of dyes in hand. The department has authority to make such a request under Act of Parliament, and it is presumed that the Government is anxious, in connection with their scheme, to obtain as complete a census as is possible of the amount of stock held in this country.

An adjourned meeting of the Advisory Committee of the Board of Trade was held on Wednesday, January 20, further to consider questions arising out of the recent scheme promulgated by the Government for assisting the aniline-dye and cognate industries. The proceedings were private and confidential. A report subsequently issued states that two members of the Committee have withdrawn owing to the attitude towards the scheme of the companies with which the two members are connected. The Committee is to be enlarged, and is to proceed immediately to the preparation of a scheme on a modified financial scale, which, while not departing from the general lines originally laid down, will in several respects be more advantageous to the subscribers to the proposed company. The proposals of the Bradford Dyers' Association, Ltd., which demand Government aid by means of protective tariffs, grants in aid, or lending schemes were considered, and it was agreed that they are impracticable.

The Prime Minister has received a resolution from the Leeds Chamber of Commerce objecting to the National scheme for encouraging the aniline-dye industry. The remedy for the present state of affairs which the Leeds Chamber suggests is a protective tariff. The Association of Chambers of Commerce, which endorses the Leeds views, is to discuss the matter at the annual meeting to be held in London in March.

A meeting of chemical-manufacturers has been summoned to take place at the offices of the Institute of Industry and Commerce, Aldwych Site Buildings, on Tuesday, January 26, at 2.30 P.M., for the purpose of considering the advisability of forming a Federation of Chemical-manufacturers under the title of the Chemical-manufacturers' Federation of Great Britain and Ireland. This is the outcome of the meeting which was held at the same address on Thursday, January 14, as briefly announced in the *C. & D.*, January 16, p. 33, to consider what steps could be taken to form a Central Committee of Chemical Societies. Sir William Ramsay occupied the chair at last week's meeting, and among the bodies represented were the Society of Chemical Industry, the Society of Chemical Technologists, the Chemical Society, the British Science Guild, the Chemical Committee of the Royal Society, and the Institute of Chemistry.

There has since our last issue been a great deal in the daily newspapers about the "failure of the Government scheme," and the more important points are here presented:

The "Pall Mall Gazette" says: "If the Government would guarantee protection for a number of years, the money would be readily forthcoming. Otherwise it may not be obtainable. Here, again, we must hope that politicians will not put theory before necessity."

The "Manchester Guardian" remarked in regard to the resolution of the Council of the London Chamber of Commerce urging the Government to guarantee adequate tariff protection for at least ten years after the termination of the war: "It is very familiar fustian this, and will deceive nobody."

Mr. W. A. S. Hewins, Secretary of the Tariff Commission, in a letter to "The Times," says he is convinced that no progress is likely to be made unless the guarantee which manufacturers demand is conceded. If the Government will give the necessary protection manufacturers themselves will, no doubt, supply the capital that is needed.

A correspondent of "The Times" says it has been too hastily assumed that the Government scheme is a failure. He discusses the matter from the financial point of view, saying "it is still possible for the Government to win success out of failure. They have by no means reached the limit of their resources. Their first financial proposals are not necessarily to be regarded as final. The options secured upon the businesses of the best-known chemical-manufacturers are not within measurable distance of expiry."

The directors of the Bradford Dyers' Association, Ltd., are urging the Government to make an immediate grant-in-aid, up to, say, 500,000*l.*, and for ten years an annual grant of equal amount to that voluntarily raised by the trades interested, for the assistance of British colour-makers in the extension of their plants by means of conditional contributions; with grants on production, enterprise, and initiative; and for the establishment and maintenance of research laboratories. The Government's assistance to the movement in this form, they consider, would attain more rapid and effective results than by a State-controlled company.

The "Morning Post" says: "The time during which the manufacturers concerned may apply for shares in the proposed company has been extended. . . . The scheme may still be brought into successful operation." A correspondent of the "Post" suggests that the Government should give ten years at least of protection for the new industry. The terms of subscription were made as easy as possible. The 1*l.* shares were to be held mainly by the representatives of the trades which used the dyes, so that they would themselves be the principal customers of the new company; the deposit on application was to be 2*s.* 6*d.* per share, with another 5*s.* in June next, while the further calls were to be in half-crowns and at long intervals.

In financial circles it is commonly stated that the million and a half to be lent by the Government, being in the form of debentures, shows lack of trust in the concern and keeps people from investing in ordinary shares.

The Belgian Doctors' and Pharmacists' Relief Fund.

A good many subscriptions from pharmacists have been received during the week ended January 19. They include the amount of 78*l.* 7*s.* which has been collected by Mr. F. Smith, Hon. Secretary of the Birmingham Pharmaceutical Association (given in detail below). International interest in the Fund has been stirred up, and will not be lessened by the following episode. The Belgian Society of Medicine in London, at a meeting held on January 18, passed a vote of sympathy with the Italian sufferers in the recent earthquake, and requested that the money so far collected in Italy for the needs of Belgian Doctors and Pharmacists should be employed in alleviating the distress among the Italian population. The subscriptions from pharmacists received are as follows:

	£	s.	d.
Cuxson, Gerrard & Co.	5	5	0
E. Corfield	5	0	0
H. Critchlow	5	0	0
E. W. Mann	5	0	0
A. Southall	5	0	0
W. Izon	3	3	0
F. Smith	2	2	0
J. & E. Sturge, Ltd.	2	2	0
H. Buckingham ...	1	1	0
J. W. Atkinson	1	1	0
G. H. Buckley	1	1	0
J. F. Griffin	1	1	0
F. H. Alcock	0	10	6
R. Howard	0	5	0
— Dunscombe	0	2	6
Philip Harris & Co., Ltd.	10	10	0
J. Poole	5	0	0
J. Wakefield	5	0	0
S. J. Gittoes	2	2	0
T. W. Peck	2	2	0
A. Twivey	2	2	0
S. W. Hall	2	0	0
C. S. Birt	1	1	0
T. Ground	1	1	0
C. Jennings	1	1	0
F. J. Richards	1	1	0
F. H. Biddle	1	0	0
Miss H. Robinson ...	1	0	0
"R. H. P."	0	15	6
G. F. Cornhill	0	10	6
S. W. Gateley	0	10	6
J. Palmer	0	10	6
J. H. Whitehead ...	0	10	6
E. M. Whiting	0	10	6
H. Pratt	0	10	0
T. F. Thorpe	0	10	6
G. V. Turner	0	10	0
B. Strachan	0	5	0
J. T. White	0	5	0
Miss F. M. Trinder ...	0	5	0
"A. J. V."	0	5	0
H. H. Bailey	1	0	0
A. Chapman (*Proceeds of Dependant's Scripts*)	0	5	0
W. W. Hole	0	10	1
Guy's Hospital Dispensary Staff	2	2	0
H. I. Stephens	1	1	0
G. E. Butler	1	1	0
G. V. C. Last	1	1	0
H. S. Adams	0	10	0
J. F. Davies	1	1	0
R. A. Robinson	1	1	0
H. H. Greenfield ...	0	10	6
J. Harrison	1	1	0
R. C. Walshaw	2	2	0
Misses Reynolds ...	1	1	0
W. A. Attree	0	5	0
C. B. Thacker	1	1	0
Huddersfield Chemists' Association	1	12	6
Misses Buchanan and Heywood	0	10	6
P. Bolton	1	1	0
S. Kay	10	0	0
F. J. Mackinlay ...	1	1	0
H. F. Mole	1	1	0
J. H. Eldridge	1	0	0
H. Woolley	10	10	0
J. T. Davenport, Ltd.	3	3	0
Rideal, Ltd.	0	10	6
A. Wulfing & Co.	52	10	0
A. E. Tanner	1	1	0
C. J. Miles	5	5	0
Savory & Moore, Ltd.	10	10	0
W. Potter	1	1	0

Russian Chemical-industry.

We referred last week (*C. & D.*, January 16, p. 36) to the steps that the Russian Government is taking to establish chemical-works in Russia. A report is now current that the Russian Ministry for Trade and Industry, as a result of an inquiry made of twenty-two of the most important textile firms, has entered into an agreement with a group of English contractors whereby an extensive aniline-dye works will be established with the assistance of the English Government.—Further particulars of the findings of the Commission on Chemical-manufactures formed by the Russian Pharmaceutical Society are given in "The Times," from which it appears that the recommendations of the Commission include the provision of industrial spirit for use in chemical-industries, and a protective duty on imported drugs. The Commission also advises the prohibition of the export of several classes of raw material, the prohibition of the import of special preparations, elimination of formalities in connection with the opening of factories, reduction of the cost of spirit, encouragement of the import of raw materials not produced in Russia, such as opium, quinine, cinchona-bark, bromine, and iodine; the establishment of an institute of associations with limited liability, and the organisation of small credit.

Export Prohibitions.

AUSTRIA.—The Home Department decreed on January 4 that the exportation of the following articles should be prohibited: Vinegar, vinegar-essence, acetic acid, wood-spirit, methyl alcohol, soda, platinum and its salts, and articles made of platinum.

GERMANY.—A decree of December 31 prohibits the exportation of ammonia solution, liquefied compressed ammonia, cobalt and nickel oxides, magnesium chloride, and mixtures of glycerin and gelatin, as these can be used for the manufacture of explosives. (See also *C. & D.*, January 16, p. 35.)

Personalia.

Mr. Leonard Needham, chemist and druggist, who up till recently was assistant to Mr. E. Carrington, Bakewell, has written to a friend giving his experiences as a recruit. He is in the Grenadier Guards, and emphasises the strict training which he is receiving to fit him for that important regiment.

Mr. George P. Forrester, F.C.S., writing from the internment camp at Ruhleben, Berlin, on December 31, informs us that among his fellow-prisoners are Mr. Ronald Devereux Harty, A.R.C.S.I., F.I.C., of the Government Laboratories, Survey Department, Cairo, and Mr. Ernest Beck, M.A., London. The latter is a nephew of Mr. Frederick Boehm, London, and a son of the present proprietor of Boehm's soap-works in Germany. Such meetings as this of men with common interests are good for the prisoners, who find time hang heavy on their hands; and "shop" must be better than tolerable. "I find the inactivity very hard to bear," says Mr. Forrester. It may be useful to state that prisoners are permitted to receive postcard messages. They should be addressed "Engländerlager, Ruhleben, bei Berlin," need not be stamped, and should be confined to matters of common interest.

Miscellaneous.

RELIEF FUND SUBSCRIPTIONS.—The managers and employés of J. Savage & Co., Ltd., 140 Listerhills Road, Bradford, have subscribed 10*l.* 13*s.* to the Lord Mayor of Bradford's Belgian Relief Fund.

TRADE DEBTS.—The Public Trustee has informed "The Outfitter" that his jurisdiction as custodian under the Trading with the Enemy Amendment Act, 1914, does not extend to trade debts.

GIFTS OF DUTIABLE ARTICLES.—The Chancellor of the Exchequer has informed a correspondent that the recognised depôt of the Red Cross Society is approved for the receipt, duty free, of all gifts of dutiable articles—including spirits, both British and foreign—intended for the use of sick and wounded sailors and soldiers in accredited hospitals.

Dr. A. E. Shipley, F.R.S., in another interesting article on "Insects and War" in the "British Medical Journal" (1915, I., p. 105), states that there is no zoological distinction between a mosquito, a gnat, and a midge, but, "as a matter of convenience, we might confine the term 'midge' to the genus *Ceratopogon* and its congeners, whose collocation with the naked knees of the Highlander is said to have given rise to the 'Highland Fling.'" Which is one of the learned master's jokes.

FEET OF THE ARMY. Since the outbreak of war the Chesebrough Manufacturing Co. has presented to the British, French, Belgian, and Indian forces in the field 225,000 tins of vaseline and vaseline camphor ice. This gift was greatly appreciated by the men, who asked for further supplies, and as a result the War Office recently placed an order with the Chesebrough Manufacturing Co. for nearly a million tins. Vaseline and vaseline camphor ice have been found excellent for preventing and healing foot-soreness, chaps, chilblains, etc.

News from Austria and Germany.

PROFESSOR ADOLF VON BAEYER, Hon. F.C.S., of Munich University, the originator of synthetic indigo, has retired.

GLYCERIN being commandeered in Germany on behalf of the War Council, it may only be dispensed by pharmacists when authorised officially!

THE AUSTRIAN OFFICIAL PRICE-LIST OF MEDICINES for 1915 shows that twelve chemicals and four galenical preparations are cheaper, and 231 articles have increased in price.

A "BADISCHE ANILIN UND SODAFABRIK" COMPANY has been established in Vienna with a capital of 1,200,000kr. It is to deal in chemical-products and dyestuffs in a wholesale way.

TRADE-MARKS IN AUSTRIA.—The postponement of the payment of registration-renewal fees for trade-marks has been extended from February 1 to August 1, both as regards the fees that were payable before December 31 and those payable in the first half of 1915.

STATE-PROTECTED PHARMACY in Austria-Hungary means that dispensers of medicines cannot do what they like as to charges. For example, a Committee in Vienna, which has arranged for the supply of medicaments to refugees from Galicia and Bukowina, has applied to the Government for authority to charge at the sick-club reduced rates.

POISONS IN GERMANY.—The Minister of the Home Department has declined to receive representatives from Prussian Pharmaceutical Associations in regard to revised legislation as to the sale of poisons and poisonous medicines, on the ground that representatives of other Federal States would also have to be heard, and this would cause too much delay.

INSECTS IN WAR.—The information which was given in these columns many weeks ago as to the use of oil of fennel and other anti-insect remedies in the German army again reaches us this week *via* London and a Frankfort paper. Correspondents of the latter recommend the following mixtures: (1) Oil of fennel 10 grams, rectified spirit or olive oil 90 grams; (2) oil of cloves 5 grams, oil of cajuput 3 grams, rectified spirit 92 grams; (3) oil of lavender 5 grams, carbolic acid 2 grams, rectified spirit or olive oil 92 grams. The correspondence shows intimate experience of the pests, but not such erudite information as Dr. Shipley has been giving in the "British Medical Journal."

BRITISH CHEMICAL-INDUSTRY.—Professor Grossmann, Berlin, in the "Neues Deutschland," gives his views on the proposal to establish aniline-dye works in England. In his opinion the English, out of own resources, are only able to cover from one-fifth to two-fifths of the home consumption of aniline dyes, and have hitherto not been able to produce numerous dyes of special value, because neither the manufacturing plant nor the technical experience has been available; and, moreover, the German patents imposed a veto. The latter difficulty is sought to be overcome by the compulsory grant of licences, but these infringements of law (!) do not afford increased technical efficiency, upon which final dependence rests. Many years will be required in order to develop the English dye-industry so as to be able fully to meet the needs of the country.

CHOLERA IN AUSTRIA.—In an article on this subject in the "Weiner Clinische Wochenschrift," 1914, No. 50, it is stated that the first bacteriological diagnosis was made at Plasow on October 27. A convent in the neighbourhood was immediately made ready as a hospital for 800 sufferers, and the army corps in which the disease had first broken out was isolated in a few villages. The civil population of these villages was happily spared. A further outbreak occurred at Kalwarya. Of the cases treated with serum, 15 per cent. died. Recently bacteriological investigations have proved that the waters of the Vistula are infected, which is a great danger for the civil population, as well as for the army. In the same issue E. Wiener deprecates the use of animal charcoal and bolus alba in the treatment of cholera. He recommends injections of hypertonic salt solution (1.35 to 1.5 per cent.) in the arm veins, and the internal use of potassium-permanganate solution (0.02 per cent.) and hydrogen-peroxide solution (0.1 per cent.).

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed Corner for Students, "The Chemist and Druggist," 42 Cannon Street, London, E.C.

QUALITATIVE ANALYSIS.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by *a stamped and addressed envelope*, not a stamp merely) will be received up to Tuesday, January 26, on which day the samples will be posted.

Students' reports will be received up to Saturday, February 6. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the fourth exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact *must be attested on their reports.*

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Mr. Henry Jones, chemist and druggist, 1 Queen Street, Morley (Yorks), is to apply for the removal of his wine off-licence from 18 Chapel Hill to that address.

York City Council has submitted to the Home Office for confirmation a closing order under the Shops Act, 1912, for the shops of chemists and druggists. The early-closing day is Wednesday, from 1 P.M.

Mr. Harold Miller, manager of the United Chemists' Association, Ltd., told the Cheltenham Traders' Association on January 19 that if the demand for Cheltenham water continues to grow the difficulty will be to find a sufficient quantity.

In connection with a recent shop-window competition in Guernsey, one of the two judges of which was Mr. F. G. Piquet, the first prize in Class C (chemists) fell to Mr. F. H. De La Rue (States Arcade), and Mr. E. Dupuy (Commercial Arcade) received special mention.

Sheffield Guardians have fitted up an infirmary ward and the adjoining grounds at Fir Vale House as a clearing-house for Belgian refugees. The medical and pharmaceutical duties are carried out by the Guardians' staff. Rheumatism is prevalent among the new arrivals.

A correction in the "Trade-marks Journal," January 20, states that the trade-mark application of Mr. J. E. Griffiths decided by the Board of Trade referred to trade-mark 257,583 and not 246,802. (See *C. & D.*, September 24, 1914, p. 68, and January 16, 1915, p. 54.)

The Public Health Committee of Radnorshire County Council has received a communication from Mr. Herbert J. Adams, the public analyst, stating that he has been called up for military service. On the suggestion of Mr. Adams, Mr. John Evans, F.I.C., Sheffield, was appointed deputy public analyst during his absence.

A number of shop-windows in Sandwich have been more or less scored with a diamond by some mischievously inclined person recently. Among those who have suffered in this way are Walker & Harris, Ltd., chemists and druggists, 4 New Street, Sandwich, upon whose window a fairly deep scratch was made along the bottom of the pane about a foot from the lower frame. A reward has been offered for information as to the perpetrator of the outrage, so far unsuccessfully. It is stated that similar mischief has been done at Ramsgate.

Contracts for Drugs, etc.

Notification has been received of the settlement of the following contracts:

Crown Agents for the Colonies.—The Society of Apothecaries, Blackfriars, E.C., for drugs.

Gloucester City Council.—Mr. H. R. Broad, chemist and druggist, for drugs and disinfectants for the Isolation Hospital for three months.

India Office (Store Department).—Brunner, Mond & Co., Ltd., Northwich, Cheshire, for zinc cake.

War Office.—W. G. Cannon & Sons, Ltd., Southwark, S.E., and Doulton & Co., Lambeth, S.E., for field-hospital appliances. G. B. Kent & Sons, Ltd., Farringdon Road, E.C.; A. Reid & Sons, Borough, S.E.; H. Samvey, Guildford Street, W.C.; and R. Webb & Sons, Ltd., Chesham, for brushes. United Alkali Co., Ltd., Liverpool, for chloride of lime. Manlove, Alliott & Co., Westminster, S.W., for disinfectors. A. Berton, Ltd., 15 Worship Street, E.C.; Cuxson, Gerrard & Co., Ltd., Oldbury; Robinson & Sons, Ltd., Chesterfield; Southall Bros. & Barclay, Ltd., Birmingham; and C. F. Thackeray, Leeds, for shell-dressings. Arnold & Sons, Giltspur Street, E.C.; Cuxson, Gerrard & Co., Ltd., Oldbury; Goldschmidt, Schmerl & Co., Farringdon Road, E.C.; Indiarubber, Guttapercha, and Telegraph Works Co., Ltd., Silvertown, E.; F. Lepper, Ltd., Great Marlborough Street, W.; Liverpool Lint Co., Liverpool; Mayer & Meltzer, Great Portland Street, W.; New Eccles Rubber-works, Ltd., Eccles; Siemens Bros. & Co., Ltd., Woolwich, S.E.; T. T. Smith & Nephew, Hull; Southall Bros. & Barclay, Ltd., Birmingham; H. Tolputt & Co., Ltd., Sheffield; T. Turner & Co., Sheffield; and J. Weiss & Sons, Ltd., Oxford Street, W., for surgical instruments and materials. Standardised Disinfectants Co., Ltd., Billiter Buildings, E.C., for liquor cresoli saponatus. D. & W. Gibbs, Ltd., Wapping, E.; Lever Bros., Ltd., Upper Thames Street, E.C.; Price's Patent Candle Co., Ltd., Battersea, S.W.; and C. Thomas & Bros., Ltd., Bristol, for antifreezing glycerin mixture. British Drug Houses, Ltd., City Road, N., and Evans Sons Lescher & Webb, Ltd., Bartholomew Close, E.C., for chemical tablets. A. Berton, Worship Street, E.C.; Burroughs Wellcome & Co., Snow Hill Buildings, E.C.; Darton Gibbs Co., Oldbury; Liverpool Lint Co., Liverpool; S. Maw, Son & Sons, Aldersgate Street, E.C.; Robinson & Sons, Ltd., Chesterfield; and Southall Bros. & Barclay, Birmingham, for surgical wool.

Guardians' Doings.

Blackburn Guardians have increased the salary of Mr. James Holden, chemist and druggist, dispenser at the workhouse, from 40*l.* to 50*l.* per annum.

Hammersmith Guardians have appointed Mr. R. P. Dickinson dispenser of medicines (outdoor), and the appointment has been duly sanctioned by the Local Government Board.

The Infirmary Visiting Committee of Camberwell Guardians have from time to time agreed to the payment of increased war prices for drugs, after consultation with the medical superintendent and the dispenser.

Mr. Clement Thomas Rutter, Ph.C., late dispenser of the City of London Union, who is retired on superannuation allowance, has gone to New Zealand for reasons of health, and the Guardians have decided to pay the amounts which become periodically due to him through the Bank of Australia on condition that a certificate of identity is furnished to them quarterly by Mr. Rutter.

Lambeth Guardians have considered a report by Dr. Baly, medical superintendent of the Lambeth Infirmary, to the Visiting Committee, from which it appeared that, under present conditions, the two dispensers, Mr. P. Sidney Thomas and Mr. A. Darch, chemists and druggists, require more assistance than the dispensary porter is able to give, and the Guardians agreed that, if necessary, a temporary dispenser should be appointed.

Chemists' Stock at Auction.

On January 14 the stock of Lloyd's, Ltd., Margate, was offered for sale by auction at Fryer, Cooper & Co.'s sale-rooms, 3 Red Cross Street, London, E.C. There was a fair attendance, but not many chemists. Good prices were realised for the general stock, *e.g.*:

Five Kruschen salts, two 1*s.* 6*d.* Odol, one each 2*s.* 6*d.* Fennings' Cure, 2*s.* 6*d.* Antipon, 1*s.* 1½*d.* Pond's Extract, and 1*s.* Formalin fetched 10*s.*; twenty-one infants' foods, assorted (Benger's, Ridge's, Allenbury's, etc.), found a buyer at 13*s.*: another lot of eleven tins large size Allenbury's, Virol, etc., went for 11*s.* Brushware fetched fair prices, twenty-five tooth-brushes, six shaving, and four hair brushes were sold for 12*s.*; another lot of nine hair and eleven nail brushes fetched 9*s.* The brass beam counter-scales and weights, and a pair of hand dispensing-scales made a good price—20*s.* Sixty-six gold-labelled 20-oz. shop-rounds and contents were offered in three lots, and realised on an average 9*s.* a lot. Four gallon jars of universal liniment were secured by a London chemist for 12*s.*, while four winchesters of hartshorn and oil, and one of liq. rhamni pro syrup. (1-7) fetched 8*s.* Among the lots offered were some salvage stock, of which sixteen 7-lb. tins of May & Baker's gum asafetida only fetched 12*s.*; 1¼ cwt. of glycerin, 5 lb. of eucalyptus oil, and 3 lb. of pulv. gum. acaciæ, after spirited bidding, fetched five guineas. A lot which the auctioneer said would only be sold to a qualified chemist, consisted of four 1-lb. bottles of acid. hydrocyan. and nine 1-oz. bottles of Bayer's piperazine, went for 7*s.* For a lot consisting of 15 1-oz. Bayer's sulphonal, 8*s.*; twelve 1-oz. cerium oxalate and fourteen 1-oz. bottles of terpene hydrate no one was inclined to buy, but eventually the hammer fell at 2*s.* There was keen competition for a lot consisting of 4 oz. of otto of violets and 2 oz. of otto of rose (synthetic), which fetched a sovereign. There were also offered 6,340 sponges in fifty-two lots, the rumour being that they were there owing to the vigilance of the British Navy. The price obtained averaged 25*s.* per hundred, and they were considered bargains at this price. The trade-mark "Ovoleo," together with the goodwill and recipe of the preparation, was offered, but there was no bid. The stock of the Ovoleo Co. was then offered in lots. Some good bargains in shop-fittings were obtained at the end of the sale.

Birmingham.

Sir Horatio Brevitt, the lately knighted Town Clerk of Wolverhampton, is brother of the late Mr. Brevitt, pharmacist, who for many years had an important pharmacy in Darlington Street of that town, which is now owned by Mr. F. J. Gibson, member of the Pharmaceutical Council.

A small tablet was unveiled and a memorial service held last Sunday at the Wylde Green (near Birmingham) Congregational Church in memory of the late Nicholas C. Dain, chemist and druggist, who lost his life while bathing some time ago. He was up to his death a valued worker in connection with this church.

A new peril has assailed the city shopkeepers of Bull Street and Minories especially—small boys, presumably selling packets of lavender-flowers, standing with their backs to the windows, levy a mild form of blackmail from the more timid of the lady shoppers and practically drive away possible purchasers. A correspondent in the "Post" calls the authorities' attention to the matter.

The proprietors of the Royal Castle Glassworks at Tutbury, Burton-on-Trent, recently introduced the manufacture of electric-light bulbs and other scientific glassware. In order to ensure success of their experiments, they have imported French and Italian glass-blowers. In consequence, strained relations between masters and men have arisen; the latter refusing to come to terms, they were given two weeks, which expired last week.

West Bromwich.

Mr. I. M. Withers (Bullus & Co., Ltd.) is to be the President of the West Bromwich Pharmaceutical Association.

Mr. H. Osborne has joined the Gordon Highlanders. He has rendered excellent service as Chairman of the Pharmaceutical Committee and as Secretary of the Pharmaceutical Association. He has been presented with a case of pipes by his pharmaceutical colleagues as a memento of his stay in West Bromwich, and as a small token of appreciation of his services.

Liverpool.

Mr. John H. Robinson, Secretary of the Liverpool Chemists' Association, is now sufficiently recovered from his recent severe illness to allow him to attend his pharmacy for a short time daily.

Mr. Henry Jackson, the *doyen* of local sundriesmen and founder of the firm of H. Jackson & Sons, School Lane and Brook's Alley, Liverpool, is lying very ill at his residence at Anfield.

Robt. Sumner & Co., Ltd., wholesale druggists, are removing into their new premises in Hanover Street at the end of this month. Mr. Overton, the managing director, who has one son serving in the war, has now sent his younger son, who is in his second year of medical studies, as a dresser to the Front.

January 27 is the date fixed for the annual meeting of the Liverpool Chemists' Association and election of new Councillors to fill the vacancies caused by the automatic retirement of six Councillors, who must "stand down" for twelve months so as to allow new blood to be drafted into the Council. The retiring members are Messrs. G. H. Cole (Blundellsands), T. Hamnett and C. A. Maries (Waterloo), G. R. Tharratt, J. L. Hirst, and H. Lomax (Liverpool). Much interest is being shown in the Council election, and no fewer than sixteen members have consented to stand for election—viz.: Dr. Chas. Symes, Messrs. L. Moreton Parry, W. F. Laycock, Chas. Huxtable, J. T. Wallbridge, W. H. Clubb, G. M. Sleggs, A. W. Ashcroft, David Badcock, A. Fairbairn, Geo. Inman, T. Hartley, H. Steen-Barr, R. F. Carrie, Edwin Pottage, and T. E. Lloyd (Garston).

Poisoning Cases.

Four persons have lost their lives during the past week as a result of accidentally taking poisons. The substances involved were carbolic acid, opium (soothing syrup), mercuric chloride, and veronal. "The Lancet" (I., 1915, p. 145), commenting on the Coroner's inquiries into the deaths of persons who died from poisoning by the vapour of tetrachlorethane contained in "dope" for varnishing aeroplanes (*C. & D.*, December 26, 1914, p. 53, and January 9, p. 36), states that the Home Office authorities are taking energetic measures to prevent the occurrence of any further accidents from this cause. It is also stated that tetrachlorethane and similar substances are being used in other industries—such as the manufacture of various preparations of cellulose—and public attention is drawn to the dangers involved.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Pharmaceutical Society of Ireland.

Pharmaceutical Licence Examination.—The following have passed: Eustace Hamilton Webb, Wexford; John Corbett, Kilmallock; Edward Mackessy, Bray; Margaret Anne Dooner, Dublin; Violet Cona Fielding Smith, Dublin; and Peter Paul Coffey, Limerick. Twelve candidates were rejected.

Pharmaceutical Assistant Examination.—The following have passed: David John Patterson, Newtownards; Henry Richard Woodhouse, Dalkey; William Rankin Gallaugher, Londonderry. One candidate was rejected.

Brevities.

Mr. Thomas L. Cole, Ph.C., was one of the successful candidates at the Lurgan Urban Council election on January 15.

Messrs. Fielding, Patrick Street, Cork, have obtained the contract for the supply of medicines to the North Infirmary, Cork, at 33½ per cent. off Local Government Board list.

The estimates of several Irish unions are showing substantial increases for the coming year. In almost all cases the increased cost of medicines is given as one of the contributory causes.

At the opening of the new Sessions Courthouse in Limavady on January 16, Judge Todd publicly thanked Mr. J. E. O'Neill, J.P., registered druggist, Maghera, for the aid he had given in having the building erected by the County Council of Londonderry, of which he is a member.

Mr. John Pringle Parke, Ph.C., has disposed of his interest in the firm of W. H. McMullan & Co., The Medical Hall, 16 Main Street, Larne, to Mr. W. H. McMullan, who now remains the sole proprietor. The business will be carried on under the same name and at the same address.

A Conference of Irish dye-users was held at the Mansion House, Dublin, on January 13, when the national scheme for founding dye-factories in the United Kingdom was approved. It was suggested that one of the dye-factories should be established in Ireland and that an Irish representative should be on the board of directors.

Paying Accounts.

The Local Government Board forwarded to the last meeting of the Clare Lunatic Asylum Committee a letter they had received from Boileau & Boyd, Dublin, applying for an extension of time for payment from the Committee of their account for medicines supplied, and requested the Committee's observations thereon. The letter stated that the contractors had looked into the matter and found that owing to the war payments had been made without furnishing particulars as to what the amounts were remitted for, and that it was impossible to treat them otherwise than as payments on account. They found, however, that the time limit mentioned by the Local Government Board had been exceeded, and they asked for an extension of time under the circumstances. Dr. Omara said there was a letter from the Local Government Board extending the time for payment. The letter gave rise to considerable discussion, it being stated that proper invoices and statements of accounts had not been submitted by the contractors, who are asked by the Asylum Committee to remedy this.

A War Competition.

A Belfast paper, "The Ladies' Guide to Shops of Quality," includes in its contents various competitions. Among these was one called "The War Symbol Competition," a kind of anagram being set for comment. The examples given were as follows:

JOF | FRE	KAI | SER
FRE | NCH	SER | VIA

The winner of the competition was Mr. James D. Carse, R.D., 233 Woodstock Road, Belfast, who evolved an ingenious explanation, of which the following is a brief abstract: The war was started by the Kaiser "via" Servia, and the initial letters of the Continental countries involved in English (Turkey, Austria, Germany) form the word "tag" (which the Germans so much desire), whilst the corresponding letters of German names (Turkie, Osterreich, Deutschland) make the word "tod" (death).

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

The Scottish shale-oil industry is exceptionally good at present owing to the advanced prices for paraffin, sulphate of ammonia, and lubricating-oils.

Mr. D. M. Bruce, chemist, Cricklewood, whose death was reported in the *C. & D.*, January 16, p. 42, was a native of Arbroath. He served his apprenticeship with Mr. Andrew Naysmith, chemist, High Street, there, after which he entered the service of a London firm. He subsequently went to Kobé, Japan, where he remained for four years. Returning to London, he acted as an assistant in a large business there, and only about a month ago he began business on his own account.

Aberdeen and the North.

Inverness chemists have been very busy recently, there being plenty of panel work in addition to ordinary business.

Farmers in South Ronaldshay have been complaining of the depredations of rats, which are supposed to have got ashore from the numerous vessels in the harbour. Traps and poisons are being used to destroy the pests.

Mr. Milne, chemist and druggist, Turriff, has received a reminder of the *Empress of India* disaster in the shape of a letter addressed to his daughter, Mrs. Campbell, who was on a visit to him at the time. The letter was recovered intact by divers.

Beekeepers report that the past honey season has been a moderately good one. The yield of clover honey in districts where the bees were free from disease was very satisfactory. In regard to heather honey, the yield was very good, especially in view of the many bad seasons that have been experienced in recent years.

Edinburgh.

Pharmacy United Football Club has been compelled to cancel its remaining matches owing to several of its players having joined the Colours.

The General Committee of the Edinburgh Merchant Company has inquired into the conditions regulating the use of alcohol for commercial purposes, and finds that there is no necessity for making any recommendation on the subject.

Not for many years has the common cold claimed so many victims locally as during the past few weeks of the winter. Lozenges, pastilles, and cough-mixtures are in good demand, particularly amongst Regulars and Territorials. Pharmacists who made window-displays of seasonable goods are reaping their reward.

The Scottish Medical Service Emergency Committee, which was formed in connection with the arrangements for the carrying-on of the practices of medical men who are serving with the Forces, met in the Royal College of Physicians of Edinburgh on January 9. The Committee considered and approved of a draft statement on the general principles which should be followed which had been prepared by a sub-committee. Copies of this statement may be had on application to the Convener, Emergency Committee, Royal College of Physicians, Edinburgh.

Fifeshire.

A lorry attached to a runaway horse swung into the window of Mr. Charles Steward's pharmacy at 231 High Street, Kirkcaldy, last week, and smashed two large panes of plate glass.

The *x*-ray room at the Wemyss Memorial Hospital, which had to be left unfinished after the outbreak of war owing to the apparatus being supplied from Germany, is now to be completed by a British firm.

Dunfermline and Kirkcaldy chemists seem to vary a good deal in artistic window-displays. An observer notes the fact that Kirkcaldy chemists are a go-ahead class. Their displays are striking and business-like. Whereas the general impression of Dunfermline was "that of the last decade."

Brisker business is now proceeding along the East Coast than has been experienced since the outbreak of war. This is due to the prevalence of influenza and children's ailments, also to the fact that the members of H.M. Forces prefer doctoring themselves rather than burdening the Army doctors with coughs, colds, and minor troubles.

"Even medical men are human." The doctors in the Leven area have decided to take a weekly half-holiday, Thursday being the day selected. This should remove any necessity for the chemists opening in the evenings, as the two holidays coincide. It has also been decided by the chemists to close on week-nights at 7.30, and at 9.30 on Saturdays.

At a meeting of the Dunfermline Co-operative Society held last week, a member asked for an explanation of the fact that the Crossgates Drug Department was paying only 10*d.* per 1*l.* The Chairman admitted that the

branch had not been a success. The Insurance Act had compelled them to put a higher-paid man there, and the Committee thought the sales would have increased, but they had not.

In some of the East Coast towns chemists are now complaining that persons "not really necessitous" are benefiting by the dependants' free supply of medicine, and it is commonly supposed that the Government is paying for such under the Insurance Act. In some cases even the minister is intimating from the pulpit, and urging the relatives of soldiers and sailors to get "free" books. It is urged that Local Secretaries should explain the aims of the scheme in the local Press, and also tell people that free medicines are the gifts of chemists and druggists, and not of the Government.

Glasgow and the West.

While a labourer was lighting a gas-jet in a Greenock chemical-works on January 16 his left leg slipped into a tank filled with strong acid. He was severely burned, and had to be removed to the infirmary.

Mr. Harold Godfrey Judd, C.A., 142 St. Vincent Street, Glasgow, has been elected trustee on the sequestrated estates of R. A. Reid & Co., chemical-merchants, 125 Buchanan Street, Glasgow, and R. A. Reid, the sole partner.

The idea of flitting to more commodious premises seems to have got a grip of the members of the Glasgow and West of Scotland Chemists' Association. It is confidently expected that the House Committee will shortly fix on very suitable and central premises.

It is evident that some arrangement with the local representatives of the medical profession in regard to the new B.P. is necessary. The Pharmacy Committee of the local Association is busy on the Pharmacopœia, and the Hon. Secretary has been instructed to open negotiations with the local Medical Committee and other bodies interested.

French News.

(From the "C. & D." Paris Correspondent.)

The Paris Society of Therapeutics unanimously decided, at its January meeting, to strike all names of Germans and Austro-Hungarians from its roll of membership.

Pharmacists' Assistants who have volunteered as dock-bay attendants (*matelots infirmiers*) in the French navy for the duration of the war may now be nominated "auxiliary pharmacists" (temporary rank until the termination of hostilities) if they are students possessing the "twelve inscriptions" exacted for the first-class pharmaceutical diploma.

Office Pharmaceutique.—The President of the Office Pharmaceutique et Chimique is to be assisted in his duties (recently described in the *C. & D.*) by a committee of eight. These committeemen, nominated by the Minister of Commerce, are Senator Astier, who formerly "kept open shop" in the Avenue Kléber, Paris; two Deputies, M. Painlevé (of the Institute) and M. André Lefèvre; M. Chapsal, of the Ministry of Commerce; M. Lindet President of the Society for the Encouragement of National Industries; M. Maquenne, of the Central School of Arts and Manufactures; M. Michel Pelletier, barrister; and M. Vergniaud, auditor of the Conseil d'Etat. They will be consulted on "all questions as to the working of the establishment and on measures to be taken with the object of developing action." M. Astier, who is named Vice-President, is well known as a practical and business-like man of much activity. He should make a useful and energetic lieutenant to Professor Béhal.

"The Chemists' Annual" is the title of a book by Mr. W. Atack, M.Sc., A.I.C., Manchester, which is to be published this month by Sherratt & Hughes in two volumes. The contents are designed for professional and technical chemists.

Legal Reports.

Trade Law.

Surnames as Trade-marks.—In the Chancery Division, on January 21, Mr. Justice Joyce granted the application of B. Muratti, Sons & Co., Ltd., Manchester, for an order that the Registrar of Trade-marks should be directed to proceed with the registration of the name of "Muratti" in respect of cigarettes. The Solicitor-General (Sir S. Buckmaster) opposed the registration, but his Lordship said it was useless to say that a surname could not be registered as a trade-mark.

The Medical Act.—At the Edinburgh Sheriff Court on January 15, Lewis Parker Wade, 5 Orchardfield Avenue, Corstorphine, was summoned, under Section 40 of the Medical Act, 1858, for unlawfully using in connection with his business the title "Dr. Massie Company, medical specialists," at 8 North St. Andrew Street, Edinburgh. The Solicitor-General (Mr. Morison, K.C.) appeared for the Royal College of Physicians, Edinburgh, who were the complainers, and pointed out that the word "Company" as used by the accused was printed in small letters, and could not be seen easily by the public. It appeared from statements on behalf of the accused that the business had been carried on for three years. Sheriff Orr imposed the maximum penalty of 20*l*. The same penalty was inflicted on John P. Trevor Key, carrying on business as a medical practitioner at 7 West Register Street as "Dr. Temple."

Kephaldol Word-competition.—Mr. Justice Darling and a special jury, in the King's Bench Division, had before them on January 20 an action for alleged breach of contract brought by Reginald Hillman, solicitor's clerk, of Holford Square, London, against Kephaldol, Ltd., Norwich Street, London. The plaintiff entered for a word competition instituted by defendants, the first prize being 200*l*. He devoted all his evenings for three weeks to selecting words from over 100 dictionaries, made a list of over 6,000 words, reduced it to 4,066, sent these in, but did not get the first prize, which went to a person who had sent in a list of a few hundred words. The decision of the adjudicating committee was final, and this was one of the conditions of the competition. While evidence for the plaintiff was being heard, the jury intimated that they had heard sufficient, and returned a verdict in favour of the defendants. His Lordship entered judgment accordingly.

Chemists' Goods for the Household.—At the Redhill County Court, before Judge Mackarness, on January 20, Frank Rogers, trading as John Markham & Co., chemists, High Street, Reigate, brought an action against Mrs. Johnstone, Walton-on-the-Hill, for 6*l*. 19*s*. 4*d*. for goods supplied. It was admitted that the goods supplied were for the children and the household. When the quarterly accounts came in Mrs. Johnstone handed them to her husband, who paid them by cheque. She never undertook any personal responsibility. Some time in 1912 her husband began to lose money, and his income was reduced. He knew of the plaintiff's account when he went into bankruptcy, at which time he left her. His Honour held that the articles supplied by the plaintiff were necessaries, and that he knew defendant was living with her husband. The plaintiff had to prove that the wife had entered into a contract to pay the debt, and the evidence did not go so far. He could not come to the conclusion that the wife had contracted to liquidate the debt, which was her husband's debt, and gave judgment for her, with usual costs.

Ill-fitting Denture.—At the West London County Court on January 20, before his Honour Sir W. Lucius Selfe, John Batterbee sued Cleave & Co., Ltd., chemists, High Street, Notting Hill, London, W., for 3*l*. 3*s*. paid for a set of teeth. Mr. Russell Biggs, for the plaintiff, said that in January 1914 plaintiff, being in want of a set of teeth, went to the defendants' shop and stated his requirements. He was directed to go to an assistant upstairs. He did so, and paid 1*l*. deposit of the agreed price of three guineas. He afterwards received the set, and paid the balance. They never fitted, and although altered several times they remained uncomfortable, and he had to go elsewhere. He now wanted his money back. Mr. Marris, for the defence, said Cleaves' case is that the whole transaction was with a Mr. Ainslie, who had no connection with the defendants. Mr. Ainslie was a tenant, who took over the dental business. Mr. Cleave, managing director of the defendant company, admitted that people might think the dental business upstairs belonged to Cleave & Co. His Honour gave judgment for plaintiff, with costs.

Alleged Negligent Dentistry.—In the King's Bench Division on January 18, Mr. Justice Bray and a common jury decided an action brought by Miss Jessie Ditchburn,

Tunbridge Wells, against Mr. Herbert Albrow, practising dentistry at Mount Sion, Tunbridge Wells, to recover damages for alleged negligence by the defendant in treating her after the extraction of a back tooth in September 1913. The defendant denied the alleged negligence. The plaintiff's case was that after the extraction she had much pain, she had stiffening of the jaws, and could only take liquid food passed through an aperture caused by the removal of a false tooth in the front of her mouth. She alleged that the defendant was negligent in his treatment of her. The witnesses for the plaintiff included Dr. Chas. Lees, Tunbridge Wells, and for the defendant Mr. Geo. Thompson, of Harley Street, Dr. Alexander Sharp, Dr. J. B. Coumbe, Dr. Cyril Lord, Dr. Douglas Phillimore Gabell, dental surgeon (attached to the Royal Dental Hospital, Leicester Square), and Mr. W. Bowen (of the Dental Defence Union). It was suggested for the defendant that if he had not been an "unregistered" dentist the action would never have been brought. The jury returned a verdict for the defendant, and judgment was entered accordingly, with costs.

A Question of Returns.—In the City of London Court, before Mr. Registrar Wild on January 15, John Morgan Davies & Son, chemists' sundriesmen, 278 Bishopsgate, sued J. Sunderland, drug-store proprietor, 152 Camberwell Road, S.E., for the balance of account due for druggists' sundries supplied. The plaintiffs' representative said the account originally was for 2*l.* 11*s.* 9*d.* The amount sued for represented the value of certain rubber goods, which the defendant said he had returned, but which had never been received by the plaintiffs. The defendant had returned an empty case, and credit was given for it. The goods that the defendant returned were supposed to be in the empty case. The defendant said the plaintiffs admitted receiving the empty case. He had returned the goods for which he had requested to be given credit in the empty case. The Registrar said it was a question whether the plaintiffs, in receiving the empty case, had lost sight of the goods returned. The plaintiffs' representative said on June 26 credit was given for the empty box. Defendant said that was before it could have been received, as he sent the box with rubber articles in it by Carter Paterson on June 29. The Registrar said he should assume that what the defendant said was correct, and he would give judgment in his favour, with costs—7*s.* 6*d.* for attendance at court.

Trade Dermatitis.—An appeal by the defendant in the Workman's Compensation Act case, Petschelt *v.* Preis, decided by Judge Atherley Jones, K.C., City of London Court, in favour of the plaintiff, was allowed by the Court of Appeal on January 14. The Lower Court hearing and decision were reported in the *C. & D.*, 1914, I., 928, and 1914, II., 6. Petschelt was an assistant to the appellant, a hairdresser, and in the course of his employment had to use a dry-shampoo liquid, which was alleged to have produced dermatitis of the hands, commencing on January 17. No notice of the accident was given to Preis until April, when two letters were written by Petschelt's solicitor to him, claiming damages for injury caused by the use of bad and dangerous dry shampoo. Judge Atherley Jones found that the injury resulted from an accident on January 17 caused by the use of dry shampoo, and that the employer had not been prejudiced by the failure to give notice of the accident. He therefore awarded Petschelt 1*l.* a week compensation. The Master of the Rolls, in his judgment, said that it was impossible to support the award. It was essential to remember that there are two sections of the Act to which different considerations apply. Section 1, which was originally the only section applicable, deals with injuries caused by an accident arising out of the employment. To succeed under that section there must be a finding that there had been an accident, which involved that something had happened at a definite time and place. Then it was found that there were many industrial diseases that came on gradually, and provision was made for those cases by Section 8, which, for the purposes of the Act, call that an accident which is not an accident in ordinary language. That section requires a certificate from a certifying surgeon that the workman was suffering from a disease mentioned in the Third Schedule to the Act. In the present case he (his Lordship) assumed that the disease from which the man was suffering was a scheduled disease. But the workman had not proceeded under Section 8, but under Section 1. He said that an accident took place on January 17. What evidence of that was there? There was none, nor was there any trace of notice of the accident having been given till April, and that was not given as soon as possible after the accident. Therefore, in his Lordship's opinion, there had been no accident and no notice. Lords Justices Swinfen Eady and Phillimore gave judgment to the same effect, and the appeal was allowed.

Limited Companies.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

E. C. BARLOW & SONS, LTD. (P.C.).—Capital 25,000*l.* Objects: To take over the undertaking of E. C. Barlow & Sons, of Reliance Works, Hackney, manufacturers of canisters, etc. The first directors are E. C. Barlow (chairman), E. E. Barlow, and R. Barlow (all permanent).

TRADE MANUFACTURING CO., LTD. (P.C.).—Capital 2,000*l.* Objects: To take over from S. A. Benson, Ltd., as a going concern the business of the manufacture and sale of Plants Plantoids and allied preparations, carried on at 5 Lloyd's Avenue, E.C., as Plants Plantoids, Ltd. The first directors are P. de G. Benson, W. P. Worth, and P. G. Blake. R.O., Windsor House, Kingsway, W.C.

ARTHUR KERSHAW & CO., LTD. (P.C.).—Capital 2,000*l.* Objects: To take over the business carried on at 79 Curtain Road and at 32 Regent's Row, Dalston, N.E., as "Arthur Kershaw & Co.," importers and manufacturers of and dealers in chemicals, oils, essences, essential oils, shellac, French polish, drugs, etc. The first directors are S. A. Matthews, A. S. Kershaw, and J. Smith. R.O., 128 Curtain Road, E.C.

HOUGHTON-BUTCHER MANUFACTURING CO., LTD.—Capital 70,000*l.*, in 1*l.* shares (69,000 preference and 1,000 ordinary). Objects: To take over and continue those portions of the businesses carried on by Houghtons, Ltd., and W. Butcher & Sons, Ltd., which relate to the manufacture of photographic, optical, scientific, and other apparatus and appliances. The first directors are E. W. Houghton, W. F. Butcher, F. W. Tompson, The Bower, Limpsfield, Surrey; F. E. Butcher, I. Joseph, both of Camera House, Farringdon Avenue, E.C.; C. E. Houghton, 88-89 High Holborn, W.C.; G. A. Spratt and H. J. Spratt, both of The Works, Clifford Road, Walthamstow. R.O., The Works, Clifford Road, Walthamstow.

Company News.

FR. BAYER & CO., MOSCOW.—At a recent general meeting of the shareholders of this company, the German directors of which had resigned, it was decided to give 12,000 roubles for Russian war-purposes and 20,000 roubles for the establishment of 100 beds for wounded Russian soldiers.

PARKE'S DRUG-STORES, LTD.—The twentieth annual report for the year ended September 30, 1914, to be presented to the shareholders at the annual general meeting to be held at 65 Harmood Street, London, N.W., on January 29, at 3 P.M., states that the directors have appropriated out of the profits for the year 418*l.* 0*s.* 7*d.* to the fixture depreciation and reserve fund, and have added the sum of 150*l.* to the stock reserve fund. The net available balance amounted to 5,168*l.* 6*s.* 10*d.*, out of which has been paid the interim dividends of 6 per cent. on the ordinary and preference shares. From the remaining balance (2,960*l.* 5*s.* 7*d.*) a final dividend for the year on the preference shares, amounting to 1,190*l.* 16*s.* 5*d.*, was paid on October 20, 1914. The directors now recommend that a final dividend of 3 per cent. be paid on the ordinary shares for the half-year, making 6 per cent. for the year, leaving a balance of 752*l.* 4*s.* 4*d.* to be carried forward. The reserve funds will then stand at 14,948*l.* 17*s.* 3*d.* The retiring director, Mr. Geo. Paxton, who, being eligible, offers himself for re-election. The auditors (Ogden, Palmer & Langton) also offer themselves for re-election.

Bankruptcy Reports.

Re William Henry Lamacraft (trading as W. Lamacraft & Co.), 80 Derwent Street, Blackhill, Durham, Drug-store Proprietor.—The trade creditors include: Bleasdale, Ltd. (16*l.*); Lofthouse & Saltmer (10*l.*); Potter & Clarke, Ltd. (7*l.*); Bourne, Johnson & Latimer (6*l.*).

Re George Robert Bray, 9 Addington Road, Bow, formerly of Bude, Cornwall, Burnham Market and Heacham, Norfolk, Chemist and Druggist.—The public examination of this debtor took place at the London Bankruptcy Court on January 20, before Mr. Registrar Hope. The accounts filed by the debtor showed total liabilities 1,385*l.* 10*s.* 11*d.*, of which 1,297*l.* 19*s.* 7*d.* is expected to rank against assets valued at 108*l.* 9*s.* 7*d.* He stated that in 1901, with moneys advanced by a relative, he purchased for 600*l.* a chemist's business at Burnham Market, and carried it on until June 1909, when he sold it as a going

oncern for 530*l*. For a few months in 1906 witness was a partner in a similar business at Heacham, Norfolk. In July 1909 he acquired for 250*l*. a stationery and fancy-goods business in the Strand, Bude, and added thereto (at a cost of about 150*l*. for fittings, etc.) the business of a chemist. He traded there until February 1 last, when he sold the business, together with the lease, goodwill, stock, fittings, and effects, for 700*l*., which as to 550*l*. or thereabouts was paid away to creditors, the remainder being mainly used in meeting expenses incurred at "Burshill," Poughill, the ease of which he took in February last with a view to letting apartments. In June 1912 witness purchased for 370*l*. a motor *char-à-banc*, which plied for hire in Bude and district until last August, and then ceased running owing to lack of passengers, brought about by the war. Since July he had been employed in London as a chemist's assistant at a salary and commission amounting latterly to 3*l*. 10*s*. a week. Witness attributed his insolvency to lack of capital and his consequent inability to obtain sufficient stock for the requirements of his chemist's business; to interest on borrowed money; and to the profits of the trading having for several years past been insufficient to meet his household and personal expenditure; also to loss incurred at "Burshill" and on the *char-à-banc*. When he left Burnham Market he owed 285*l*. to trade creditors, but he subsequently paid off all those debts, although he had never been able to repay the 600*l*. loan. Having regard to the latter liability, he had been insolvent for many years. The business at Bude was fairly successful throughout, and on an average yielded him a profit of 180*l*. per annum. On the other hand, his household and personal expenses had been at the rate of between 5*l*. and 6*l*. per week. The examination was concluded. The following are creditors: Myrton, Saunders & Co., Ltd. (21*l*.); The British Drug Houses, Ltd. (49*l*.); Briedenbach (16*l*.); Lorimer Marshall, Ltd., London (10*l*.); Nelson & Son (19*l*.); Rivers Hill & Co., Ltd. (11*l*.); Sangers (36*l*.).

Deeds of Arrangement.

Williams, Francis Christopher, 22 High Street, Tho Green, and 98 Tho Grove, Ealing, Chemist and Druggist.—Trustee, P. S. Booth, 32 Kimberley House, Holborn Viaduct, E.C., accountant. Dated, January 11; filed, January 18. Secured creditors, 37*l*.; liabilities unsecured, 90*l*.; estimated net assets, 90*l*. The creditors include: Butler & Crispe (39*l*.); Evans Sons Lescher & Webb, Ltd. (9*l*.); May, Roberts & Co., Ltd. (18*l*.); Houghtons, Ltd. (7*l*.); Butcher & Sons, Ltd. (10*l*.).

Lloyd, Edward Marsden, 72 East Road, Tylorstown, Chemist and Druggist.—Trustee, D. Richards, Llewellyn Street, Penbie, auctioneer, etc. Dated, January 8; filed, January 14. Liabilities unsecured, 419*l*.; estimated net assets, 369*l*. The creditors include: C. R. Harker, Stagg & Morgan, Ltd. (1*l*.); Evans Sons Lescher & Webb, Ltd. (9*l*.); Barclay & Sons, Ltd. (15*l*.); Marshall Lorimer, Ltd (5*l*.); Boulton Macro, Ltd. (3*l*.); Baiss Bros. & Stevenson, Ltd. (9*l*.); Ford, Shapland & Co. (4*l*.); Yardley & Co., Ltd. (3*l*.); May, Roberts & Co., Ltd. (11*l*.); T. Kerfoot & Co. (8*l*.); Vinolia Co., Ltd. (13*l*.); Southall Bros. & Barclay, Ltd. (13*l*.); Cupal, Ltd. (8*l*.); National Drug Co. (3*l*.); Myrton, Saunders & Co., Ltd. (19*l*.); Blyton, Astley & Co. (.); Erasmic Co., Ltd. (4*l*.).

Gazette.

Partnerships Dissolved.

HARTIGAN, T., and SIMMONS, G. A., 168 and 148 Gloucester Terrace and 2 Southwick Place, Hyde Park, London, general medical practitioners, under the style of Hartigan & Simmons.

JOBSON, T. B., WATTS, H. E., RAE, J. B., and WATTS, J. E. P., Ilford, Essex, surgeons and general medical practitioners, under the style of Watts, Jobson, Rae & Watts; so far as regards T. B. Jobson.

WILLIAMS, F. H., and SHARP, J. H., Marble Chambers, Rockingham Street, Leeds, under the style of F. Hamilton, medical specialist.

Bankruptcy Acts.

RECEIVING ORDER.

WILLIAMS, F. N., 181 High Street, Brentford, medical practitioner.

ADJUDICATION.

WILLIAMS, F. N., 181 High Street, Brentford, medical practitioner.

Births.

Authenticated notices are inserted without charge.

BELLAMY.—At Agnes Road, Barnsley, on January 17, the wife of W. A. Bellamy, chemist and druggist, of twins—son and daughter.

GREEN.—On January 1, the wife of Edmund R. Green, chemist and druggist, 25 Fielding Road, Bedford Park, Chiswick, London, W., of a daughter. [Corrected note.]

LEWIS.—At 55 High Street, Totnes, on January 18, the wife of J. H. Lewis, chemist and druggist, of a daughter.

Marriage.

Authenticated notices are inserted without charge.

PAYNE—CHEESEMAN.—At the Roman Catholic Church, Penang, Straits Settlements, on December 9, 1914, George Herbert Spencer Payne, Ph.C., second son of Mr. Wm. Spencer Payne, of Ramsgate, to Elsie Mary, second daughter of Mr. J. A. Cheeseman, of Scarborough.

Deaths.

Authenticated notices are inserted without charge.

ANDREWS.—At 39 Ben Jonson Road, Stepney, London, E., on January 5, Mr. George James Andrews, chemist and druggist, aged seventy.

GORDELIER.—At 76 Kensington Park Road, London, W., on January 12, Mr. William Gibbs Gordelier, chemist and druggist, aged fifty-nine. Mr. Gordelier was the second son of the late Paul William Gordelier, chemist and druggist, who was in business at 39 High Street, Sittingbourne (Kent). To this business Mr. Gordelier succeeded on the death of his father and brother, and he conducted it till 1908, when he took over a business at 76 Kensington Park Road, W., disposing of the Sittingbourne pharmacy to Mr. A. Fitzroy Nicholls, chemist and druggist.

HAMMER.—At St. Luke's Hospital, New York, on December 28, 1914, Mr. Edwin H. Hammer, of the Keasbey & Mattison Co., manufacturing chemists, aged fifty-seven. Mr. Hammer began life as an assistant with Caswell & Massey, New York, and afterwards graduated from the Philadelphia College of Pharmacy. He had been connected with Keasbey & Mattison since 1879.

HILL.—At Grove Park, Chiswick, on January 15, after two days' illness, Mr. Henry Hill, aged sixty. Mr. Hill was the elder son of the late Mr. Henry Hill, founder of the commission-merchant's business, Henry Hill & Sons, 30 Great St. Helens, E.C., which, since his father's death, he and his younger brother, Mr. Ernest Hill, had carried on. The founder had in his early days been connected with the Scottish shale-oil business, and later with the premier company in London; then started on his own account, oils being one of the staples of the business. Mr. Henry Hill was much respected on 'Change, and his death came as a shock to many friends there. It appears that he had cerebral hæmorrhage, and never recovered consciousness. The interment was at Chiswick Parish Churchyard on Tuesday afternoon, and many City men attended to pay their old friend their last tribute of respect, among them being a representative of the Produce-brokers' Association, Mr. Greenhough, Mr. Paton, and Mr. R. C. Treatt. Mr. Hill was a bachelor.

HITCHCOCK.—At Alfreton, Derbyshire, recently, Mr. Percy Hitchcock, son of Mr. James Hitchcock, chemist and druggist, Greenhill Lane, Alfreton, aged twenty-one. Mr. Percy Hitchcock had been preparing for the Minor examination.

HORSBURGH.—At 52 Grange Loan, Edinburgh, on January 7, Victor Raeburn, younger son of James D. Horsburgh, chemist and druggist, 10 Salisbury Place, Edinburgh.

LEITH.—At 52 Kelvingrove Street, Glasgow, on January 7, Mr. Peter Leith, chemist and druggist, aged eighty-one. Mr. Leith passed the greater part of his life in Rothesay, the whole of his business career being centred there, first as apprentice and later as assistant to his uncle, Mr. McIntosh, whose business he ultimately took over. He was never a robust man, and was compelled for some years to winter in Portugal. When advancing years began to make themselves felt he sold the business and retired to Glasgow.

SNELL.—At Peckham, on January 11, Eva Ellen, wife of Mr. William Kennard Snell, chemist and druggist, 291 Rye Lane, Peckham. Mrs. Snell died under tragic circumstances, as the result of injuries received through her clothing catching fire while, it is supposed, attempting to light a gas-stove. Much sympathy is felt for Mr. Snell in Peckham, where he is well known and highly respected.

STEPHENSON.—At the Longmore Hospital for Incurables, Edinburgh, on January 9, Mr. Frederick Stephenson, chemist and druggist, aged sixty-five. Mr. Stephenson served his apprenticeship with Mr. James Mackenzie, Forrest Road, Edinburgh, nearly fifty years ago, and passed the Minor examination before the 1868 Act came into force. Thereafter he went to Maida Vale for several years, and, returning to Edinburgh, purchased the business of Mr. William Marshall, a Duncan, Flockhart & Co. man, at 16 Howe Street, which he conducted until ill-health compelled his retirement a year or two ago, when the premises were closed. He was a skilled practical pharmacist, conscientious and careful in discharging his duty. He devised many ingenious methods for making galenical preparations, and on at least one occasion communicated a paper to a North British Branch meeting dealing with the making of syrup of tolu. Mr. Stephenson, a rather conservative chemist of the old school, latterly suffered badly from competition with the stores, and his kindly, shy disposition also handicapped him somewhat. He leaves a widow, son, and daughter.

TOLMIE.—At Duniquarle, Newmills, Fife, on January 11, Marjorie Bella Borthwick, wife of Dr. Peter Morrison Tolmie, and only daughter of the late Mr. Richard Borthwick, chemist, Alloa, aged twenty-seven.

Trade-Marks.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1915, p. 435.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. W. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

(*From the "Trade-marks Journal," January 6, 1915.*)

"UKOK"; for goods (42). By Bigland, Sons & Jeffreys, 11 Rumford Street, Liverpool. 364,729.

"CLOFEDE"; for animal-food (42). By Markham, Sons & Co., Ltd., Siddals Road, Derby. 364,904.

"CROMLEAC"; for mineral and aërated waters (44). By W. A. Ross & Sons, Ltd., 17 and 19 William Street South, Belfast. 364,688.

"CRUET," with picture of same; for goods (47), and for perfumery, etc. (48). By Tyson & Co., Ltd., 6 Blackstock Street, Liverpool. 364,184/5.

"REGEDENT"; for teeth-preparations (48). By Regesan, Ltd., 7A Laurence Pountney Hill, E.C. (To be associated. Sect. 24.) 363,463.

"MYRTOLENE"; for a teeth-preparation (48). By H. Hoffman, 19-21 Hatton Garden, E.C. 364,465.

"TARENE S & Co." on circular label device; for soap (48). By Van Oppen, Ross & Ind, Ltd., 38 Basinghall Street, E.C. 364,521.

"DENTASEPTINE"; for teeth-preparations (48). By Foreign Chemists, Ltd., 49 Haymarket, S.W. 364,941.

"EDBRO"; for shaving and toilet brushes (50). By Edwards Bros., 63 St. Paul's Road, Canonbury, N. 364,244.

"PLANOLINE"; for a waterproofing-preparation (50). By Holzapfels, Ltd., Dean Street, Newcastle-upon-Tyne. 364,903.

(*From the "Trade-marks Journal," January 13, 1915.*)

"GLYCERONE"; for nitrating liquids for explosives (1). By A. Hough, 1 Main Street, Choisy, Quebec, Canada. 360,229.

"CAPSOL"; for all goods (1 and 4). By Violet A. Tootal, 265 New Road, Blackpool. 363,438/9.

"CHLORAFIN"; for an incendiary chemical (1). By J. F. Buckingham, 159 Spon Street, Coventry. 364,591.

"PIFTINILLA"; for a chemical for hardening metals (1). By Piftin, Ltd., 2 Fen Court, E.C. 365,012.

"LYSOL," under word "British," on label device in green, red, yellow, and black ("Lysol" disclaimed); for a disinfectant made in England (2). By Chas. Zimmermann & Co. (Chemicals), Ltd., 9-10 St. Mary-at-Hill, E.C. 364,403.

Trade Notes.

PERMANGANATE OF POTASH is advertised in this issue by Harry Heymann, Thornton Chambers, Bradford.

DIGESTIVE FERMENTS CO.—The products of this American house are advertised in this issue. Stocks are held by May & Baker, Ltd., Battersea, London.

WHITLA'S "PHARMACY."—A new edition (the tenth) of this work has been published by Baillière, Tindall & Cox, 8 Henrietta Street, Covent Garden, London, W.C.

TOZANA HAIR-FOOD.—Trade inquiries regarding Tozana hair-food should be made to wholesale houses or direct to the Tozana Perfumery Co., 14A New Bond Street, London, W.

ORGANO-THERAPEUTIC PRODUCTS.—Armour & Co., Atlantic House, Holborn Viaduct, London, E.C., give in their advertisement a list of the chief organo-therapeutic products which they prepare.

RED-BALL ESSENCES.—Will subscribers please note that the reference to the Red-ball soluble essences on p. 8 of *The Chemist and Druggist Diary* was inadvertently omitted from the Buyers' Guide?

THE TELEGRAPHIC ADDRESS of Van Essen & Co., Ltd., manufacturing chemists, 100 Bermondsey Street, London, S.E., is "Cervanesco Berm London," and not as given in *The Chemist and Druggist Diary.*

THE DEVELOPMENT of Burroughs Wellcome & Co.'s business in South America has been such as to demand the removal of the Buenos Aires house to Calle Alsina 758, which affords larger and more convenient premises.

SANOID THERMAL WOOL.—Cuxson, Gerrard & Co., Ltd., manufacturers of surgical dressings, Oldbury, Birmingham, in their advertisement in this number give a facsimile of the label of "Sanoid" thermal wool. The prices are also given.

BEWELL'S, LTD., now have five branch drug-stores—viz., 65 New North Road, 104 Farringdon Road, 101 Leather Lane, 191 Bethnal Green Road, and 93 Walworth Road, London. The registered office is at 19 and 21 Pitfield Street, N., and Mr. J. E. Houseman is managing director.

PRICE-LIST.—Oldfield, Pattinson & Co., New Bridge Street, Manchester, have issued a new edition of their price-list of chemists' specialities, patent medicines, proprietary articles, and druggists' sundries. It contains 168 pages, and the section devoted to counter-specialities is well illustrated.

LYSOL.—Chas. Zimmermann & Co. (Chemicals), Ltd., 9 and 10 St. Mary-at-Hill, London, E.C., are sending out a circular announcing a reduction in price of their lysol. This is possible because the profits formerly made by the German proprietors are saved. Some new lysol preparations are also referred to—soaps, ointment, hair-tonic, and dentifrice.

THE "PAREX PAGEANT" now appearing in "Maw's Page" of the *C. & D.* is an entirely new idea, and will form a comprehensive review and pictorial record of the whole series of toilet and surgical goods manufactured and offered by S. Maw, Son & Sons, London, under this brand. The "Pageant" pages already issued are: "Parex" Talcum Powder (January 9), "Parex" Enemas (January 16), and "Parex" Indiarubber Hot-water Bottles (January 23). The series also includes safety-razors, throat-and-nose spray, toilet-creams, and others, each article bearing the well-known triangular mark of the firm. These goods are in every respect worthy of the House of Maw. The toilet-articles are distinctively put up and pleasantly, but not aggressively, perfumed. They are sold under a protected profit-and-bonus scheme, and are therefore of particular interest to chemists.

A "TABLOID" MEDICINE-CASE containing sixteen requisites, and just the size of a pocket-book, is Burroughs Wellcome & Co.'s latest production. It is No. 109, and is designed for the use of persons on active service. It is a black-japanned metal, measuring 6¼ in. by 3¼ in. and ½ in. deep, gilt inside. A piece of aluminium in Greek pattern provides recesses for six tubes of "tabloid" xaxa, phenacetin-compound, laxative vegetable, kola-compound (for warding off fatigue), opium, and soloid potassium permanganate. These occupy half the space. In the rest are a bottle of chlorodyne and an ampoule of iodine tincture (each enclosed in a metal case), court-plaster, rubber adhesive plaster (1 yard of 1 in. wide), jaconet, eye-brush, safety-pins, two packets of boric gauze, and a bandage. Burroughs Wellcome & Co. inform us that their primary object in introducing this is to provide members of his Majesty's Forces with the medicine-case best adapted to their personal requirements when on active service. No. 109 fits admirably

into the pocket of the service-jacket, its rounded corners preventing any risk of wearing or tearing the material, and its contents enable those who have it to deal with emergency, whether in illness or accident. The contents may be varied to order.

A NOVEL SHOWCARD.—"To obtain the effect of a shell being fired from a heavy gun, insert a tin of 'Mineral Spring' Health Granules in the two holes of this stand." So reads the direction on the back of this novel showcard, just introduced by Thomas Kerfoot & Co. for advertising their "Mineral Spring" health granules. The card is 10 in. high, 9½ in. wide, and 2¼ in. deep, this depth being obtained by a folding-box arrangement, which shows the men standing back behind the gun, so that the card has the appearance of a gun-turret when the tin is inserted in the two holes. The colour resembles the paint used in H.M. battleships, and upon this the printing is done in red, white, and blue. The group of men in blue is most effective, as may be judged by the monochrome which we print; but the original is more catching, and the card is suitable for use either in the window or on the showcase. Our readers can obtain copies of it on application to the firm at Bardsley Vale, Lancashire, or to Bardsley House, Holloway Road, N.

THE KOLYNOS KITCHENER'S MAN is shown in the annexed engraving. It is a handsomely executed showcard, printed in colours, and the tube of Kolynos Dental Cream is affixed to the card, so that when brought forward it catches the eye in a striking manner, adding to the effectiveness of the card. This particular man in khaki is an appropriate advertisement for the Kolynos Cream; his bright smile and sound teeth are part of the qualifications that are to make the British Army successful in the war. The card is produced by Kolynos, Ltd., 43 and 44 Shoe Lane, London, E.C., and they inform us that they want chemists to know this, and will be happy to send a specimen to anyone on application.

ORIGINAL 13 IN. BY 9 IN.

Business Changes.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MR. D. L. COOPER, chemist and druggist, has purchased the business of the late Mr. McKenzie, chemist and druggist, St. George's Road, Glasgow.

MR. H. R. BECKETT, chemist and druggist, Quarry Hill, Ponbridge, has taken his former apprentice, Mr. Ernest S. Upton, into partnership, and the business will be carried on under the style of Beckett & Upton.

Pharmaceutical Society of Ireland.

Council-meeting.

THE Council met at 67 Lower Mount Street, Dublin, on January 12, the President (Mr. D. M. Watson) in the chair. There were also present Dr. Chas. J. B. Dunlop, Messrs. James Tate (Vice-President), G. D. Beggs (Hon. Treasurer), W. F. Wells, Joseph H. Bowden, Thomas Batt, J. Burnett, R. Blair, and Patrick N. White, J.P.

GREETINGS.

The Registrar (Mr. Ferrall) submitted the following letter from the Pharmaceutical Society of Great Britain:

"DEAR MR. FERRALL,—I am desired by the Vice-President and members of the Council of this Society to cordially reciprocate the good wishes which your President and Council were good enough to tender us. I hope that the present amicable relations existing between Irish and British pharmacists and their representative Societies may long continue.—I am, yours faithfully,

W. J. UGLOW WOOLCOCK, Secretary."

The following greeting was received:

"The President and the members of the American Pharmaceutical Association beg leave to convey to the President and the members of the Pharmaceutical Society of Ireland the expression of their high esteem and the compliments of the season.—CASWELL A. MAYO, President."

APPOINTMENT OF EXAMINER.

The Registrar read the following letter from the Under-Secretary:

"Dublin Castle, January 11, 1915.

SIR,—With reference to your letter of the 9th ult., I am directed by the Lord Lieutenant to enclose copies of an Order in Council, dated 5th inst., approving of the appointment of Mr. William Johnston, B.A., as one of the examiners to conduct the Preliminary examination, in the place of Mr. J. Armstedt Ray, together with a copy of the 'Dublin Gazette,' in which the Order was published.—I am, Sir, your obedient servant, E. O'FARRELL."

The Registrar also submitted a letter of thanks from Mr. Johnston.

A MEMORIAL.

The Registrar submitted a communication from the Under-Secretary, Dublin Castle, transmitting a copy of a memorial from Mr. John McRoberts, R.D., Belfast, who had been summoned and fined for a breach of the Pharmacy Acts.

A reply was drafted, and the Registrar was directed to send it to the Under-Secretary.

PRELIMINARY REGISTRATION.

Messrs. C. F. Boyers, J. J. Macarten, and J. V. Rubenstein submitted certificates from the Board of Intermediate Education, and were admitted to Preliminary registration.

CHANGES OF ADDRESS.

Communications notifying changes of address were received from the following: Mr. Andrew H. Cooke, from 9 Spencer Road to 37 Clarendon Street, Londonderry; Mr. Robert W. Hayes, Ph.C., from 16 Hume Street to Dartry Pharmacy, 83 Rathmines Road Upper, co. Dublin; Mr. A. H. Leahy, Ph.C., formerly of Cork, to c/o Durno, Ltd., 184 Pitt Street, Sydney, N.S.W.; Mr. A. E. Welsh, Ph.C., from Market Square, Lisburn, to Sunnyside, Dunmurry, co. Antrim; Mr. Geo. D. Williams, R.D., from Eden Villas to 14 Ormond Road, Rathmines, co. Dublin; and Mr. W. H. McBride, R.D., to 197 and 199 Woodstock Road, Belfast.

THANKS FOR DONATIONS.

On the motion of Mr. WELLS, seconded by Mr. TATE, a vote of thanks was passed for donations from the British Pharmaceutical Conference of "Year-book 1914," and from the General Medical Council, of the British Pharmacopœia, 1914.

ELECTION TO MEMBERSHIP.

On the motion of Mr. WELLS, seconded by Mr. BOWDEN, Mr. Alfred Ernest Ferris, Ph.C., Oughterard, co. Galway, was elected to membership of the Society.

NOMINATION TO MEMBERSHIP.

On the motion of Mr. TATE, seconded by Mr. WELLS, Mr. David Boyd, Ph.C., 7 Donegall Square North, Belfast, was nominated to membership.

ELECTION OF PROFESSOR.

On the motion of Mr. BLAIR, seconded by Mr. BOWDEN, Mr. Wilfred McLean, B.A., B.Sc., Royal College of Science for Ireland, Dublin, was elected a Professor of Theoretical Chemistry and Physics.

REPORT OF DEATH.

The Registrar reported the death of Mr. Walter C. Murphy, Ph.C., Dublin.

REPORTS FROM COMMITTEES.

Reports were received from the following Committees and adopted: The Law Committee, the Certificates Committee, the House Committee, and the School Committee.

TRAVELLING EXPENSES OF COUNTRY MEMBERS.

An account of the travelling expenses of country members of the Council for the twelve months ended September 30, 1914, was submitted and passed. The amount was 44*l.* 5*s.* 6*d.*

This concluded the public business.

British Pharmaceutical Conference.

A MEETING of the Executive Committee was held at 17 Bloomsbury Square, London, W.C., on January 14. There were present: Captain E. Saville Peck (President), in the chair; Messrs. J. P. Gilmour, W. A. H. Naylor, F. Ransom (Vice-Presidents), D. Lloyd Howard (Hon. Treasurer), T. O. Barlow, H. Deane, F. W. Gamble, Dr. Hooper, with Messrs. H. Finnemore and R. R. Bennett (Hon. Secretaries).

DEATHS.—It was reported that the decease of the following members of the Conference had taken place since the last meeting of the Executive Committee: Mr. T. Kay, Stockport, elected in 1879; Mr. W. Ransom, Hitchin, elected in 1866; Mr. W. Saunders, Ontario, elected an honorary member in 1874; Mr. J. A. Thomas, Cheltenham, elected in 1905, and a member of the Executive Committee in 1913-14.

The President moved that the sincere condolences of the Executive be accorded to the relatives of the abovementioned gentlemen.

PRACTICE SECTION.—The following report of the Practice Section was submitted:

This Committee has met and has considered the rules adopted at the Chester meeting *re* dispensing abnormal prescriptions. It has also drawn up a further set of rules, which, in its opinion, might be advisably adopted by medical men in prescribing, and which might form the basis of discussion between representatives of medical men and pharmacists. It has also drafted a letter to be sent to the B.M.A. inviting them to meet representatives of the Conference to discuss both these suggested codes of rules.

SUGGESTED CODE OF RULES TO ENSURE UNIFORMITY IN DISPENSING.

A. *Interpretation.*

(1) All prescriptions should be written legibly, and especially those which will probably be dispensed by pharmacists at some distance from the prescriber.
(2) When it is necessary to prescribe a dose apparently excessive—that is, above the Pharmacopœial maximum—the quantity ordered should be initialed so as to indicate to the dispenser that the apparent over-dose is intentional.
(3) A percentage solution should be understood to mean one which contains *x* grams of a solid or *x* millilitres of a liquid in 100 millilitres of solution (after B.P. 1914).

B. *Dispensing.*

(1) When substances are prescribed which are incompatible, it should be understood that simple means may be taken by the pharmacist to minimise any objectionable features of the resulting product.
(2) If the particular formula of a preparation is not in the Pharmacopœia and not otherwise indicated, it should be understood that if a formula exist in the British Pharmaceutical Codex this will be dispensed.
(3) If, in a mixture containing heavy solids, it is intended that a suspending-agent should be used, it should be so indicated on the prescription.
(4) In prescribing a proprietary article which is needed very urgently and cannot be immediately obtained, if an alternative preparation is permissible that fact should be indicated on the prescription.

C. *Distribution.*

(1) When a proprietary article is prescribed without other ingredients, directions should be given as to which of the following courses should be adopted:
(*a*) Dispensing in a new container.
(*b*) Supplying in original container with the original label.
(*c*) Supplying in original container with a new label.
(2) The mode of administration of any medicine should be indicated on the prescription, so that the pharmacist may distinguish in labelling, etc., between, for example, a lotion, injection, or gargle.

The suggested code of rules was considered seriatim and, after modification, approved as above. The report was adopted, and the following members of the Executive were appointed to represent the Conference if the British Medical Association accepted the invitation to discuss the rules: The President and Messrs. T. O. Barlow, F. W. Gamble, and one of the Secretaries.

OTHER REPORTS.—Mr. Finnemore reported that he had called together the Research Sub-Committee, and that the meeting felt that the present is an inopportune one for the initiation of research-work. The President expressed the hope that the Research Sub-Committee would collect promises of papers for the 1915 meeting.

The report of the Conference Development Sub-Committee, as submitted by Mr. Bennett, was received by the Executive, and it was decided to hold a special meeting of the Executive to consider it.

The Treasurer's report, submitted by Mr. D. Lloyd Howard, showed that as a result of the year's work the Conference had a balance in hand of about 80*l.* The Treasurer regretted that so little use was made of the Research Fund. It was decided that, subject to audit, the report should be adopted, printed, distributed to members, and presented to the annual meeting.

SCARBOROUGH MEETING.—Mr. Finnemore read a letter from Mr. E. R. Cross, of Scarborough, the Hon. Local Secretary, stating that the unanimous feeling of the Scarborough Committee was that owing to recent events it would not be advisable to hold the meeting in Scarborough this year.

The Executive decided that the proposed visit to Scarborough be postponed, and that the annual general meeting be held in London, and should consist of the reading of papers at the Science and Practice Sections and the transaction of the usual business, but without the usual social functions. The details were left until the next Executive meeting.

HONORARY MEMBER.—It was decided that Dr. Frederick Belding Power, a Vice-President of the Conference, now resident in America, be elected an honorary member.

NEW MEMBERS.—The following three new members were elected: Mr. I. H. Heap, Hanley; Professor Henry L. Smith, B.Sc., F.I.C., London; Mr. S. B. Tallantyre, B.Sc., F.I.C., Liverpool. One application for membership was refused.

P.A.T.A.

A MEETING of the P.A.T.A. Council was held at the Salisbury Hotel, London, on January 14, the retiring President, Mr. J. Godber, occupying the chair at the outset. The following Councillors were present:

Mr. A. Ridout (Grossmith, Son & Co.), Mr. Benj. Hirst (Hirst, Brooke & Hirst, Ltd.), and Dr. A. J. Barnes, Vice-Presidents; Mr. G. R. Barclay, Hon. Treasurer; Mr. Wm. Edwards (W. Edwards & Son); Mr. P. F. Rowsell, Exeter; Mr. H. Wippell Gadd (Evans, Gadd & Co., Ltd.); Mr. C. B. Allen, Kilburn; Mr. J. P. Gilmour, Glasgow; Mr. R. Feaver Clarke, Gravesend; Mr. J. G. Atkinson, Norwood; Mr. F. R. L. Newbery (F. Newbery & Sons, Ltd.); Mr. C. J. G. Bunker, Twickenham; Mr. F. W. Powell (Thos. Powell, Ltd.); Mr. S. Kutnow (S. Kutnow & Co.,

Ltd.); Mr. J. J. Pilley (Mellin's Food, Ltd.); Mr. F. J. Smith (Sangers); Mr. S. N. Pickard, Ossett; Mr. H. W. Colley, Grimsby; Mr. G. H. Burroughs (John Thompson, Ltd.); Mr. W. C. Birks (Raimes & Co.); Mr. J. McCaig (Evans Sons Lescher & Webb, Ltd.); Mr. Wm. Lane (Jas. Woolley, Sons & Co., Ltd.); Mr. A. L. Webb (May, Roberts & Co., Ltd.); Mr. Page Woodcock; Mr. J. A. South (John Steedman & Co.); Mr. B. T. Beetham (Beetham & Son); Mr. John C. Umney (Wright, Layman & Umney, Ltd.); Mr. G. P. Pond, Fleet Street; and the Secretary.

ELECTION OF OFFICERS.

The President's chair is occupied in turn by a representative of each section of the Council, and the new President this year had to be a member of the Wholesale Section. Mr. William Edwards (of Messrs. Wm. Edwards & Son) was unanimously elected. The other officers were all re-elected.

ENEMY ARTICLES ON P.A.T.A. LIST.

The chief item of interest was the discussion of a memorial, signed by twenty-three members of the Manufacturers' Section, addressed to the Council in the following terms :

GENTLEMEN,—We, the undersigned manufacturers and wholesalers, as subscribers to the P.A.T.A., desire to draw the attention of the Association to the many articles of German make at present quoted in the 1914 Year-book, and note that still further German articles are added in the addition appearing in the December number of the "Anti-Cutting Record."

We claim that, under existing circumstances, all such German goods should be expunged from the 1915 Book, which will shortly be published, and that no subscription whatever from the German manufacturers or their agents should be accepted by the Association.

Should our request be ignored, we feel bound to notify that we should feel compelled to reconsider our position as to giving our further support to an Association that includes among its members so many enemies of our country.

We also take this opportunity of suggesting that some special efforts should be made by the Association to obtain from its retail members promise of more active interest and help in pushing the sales of protected goods, and think their attention should be specially drawn to the fact that the manufacturers place their goods on the Protected List under the hope of securing the active interest of the trade, which, however, is very sparsely given.

London, January 4, 1915.

After the Secretary read the memorial a discussion ensued, in which it became clear that the opinion held generally by the speakers was against the P.A.T.A. taking the steps recommended. Eventually, on the motion of Mr. McCaig, seconded by Mr. Colley, it was unanimously decided that the Secretary should communicate the following letter to the signatories to the memorial :

184 Temple Chambers, Temple Avenue, E.C.,
January 15, 1915.

DEAR SIRS,—The letter of January 4 signed by yourselves and other signatories was carefully considered by the Council on Thursday, 14th inst., and by resolution, carried *nem. con.*, I was instructed to write you as follows. The Council gave the question most careful consideration, and came to the conclusion that the only action which it was expedient or, in the circumstances, feasible to take was to direct that when it was shown that stocks of any article on the Protected List held in this country were exhausted and could not be replaced, except by importation from any of the countries with which our Empire is at war, that article should be forthwith removed from the Protected List.

The Council took the view—

(*a*) That the country, through Parliament, had decided what trading was at this time injurious to our interests as belligerents, and had by law defined and prohibited it.

(*b*) That stocks of articles on the P.A.T.A. list, obtained from countries with which we are at war before the outbreak of the war, were still held by the wholesale and retail trade, and that it was not right that these articles should be sold without profit, which would be the inevitable result of removing them from the Association's list.

(*c*) That some of the articles which had originated in the countries of our enemies were being manufactured in this country by English firms, as owners or agents That the manufacture and sale of such articles in this country was legal, and their sales would continue whatever action this Association took. It was therefore expedient, so long as these articles were legally sold, that a guaranted profit on their sales should be assured.

(*d*) That certain members of the Association controlling articles not manufactured in this country had voluntarily terminated their membership for the time being.

(*e*) That apart from the prohibition enforced by law it would be difficult to draw a line between what articles should or should not remain on the list, and that mistakes (which it would be difficult to avoid) made in enforcing any rule of the Association would render the officers, and possibly the Council of the Association, liable to damages in law.

The Council felt that you were entitled to know the grounds upon which they have decided to act in this matter.

In reference to the last paragraph of your letter, I was instructed to say that the Council fully appreciated the importance of securing for members who protect the interests of the distributors that reciprocity on the part of the trade to which they are, in the opinion of the Council, entitled, and would be glad to consider any suggestions for furthering this end.

I am, yours faithfully,
W. S. GLYN-JONES.

PROPOSED DEPUTATIONS.

The Secretary reported that at the October meeting of the Council he had been instructed to ask Lever Bros. (acting on behalf of A. & F. Pears, Ltd.) and Burroughs Wellcome & Co. to receive a deputation from the Council on the question of the present severe cutting of these firms' specialities. The manager of Lever Bros. has promised to see Mr. Glyn-Jones when next he is in London, and it is hoped that something tangible will be the outcome of the meeting. In the case of Burroughs Wellcome & Co., that firm replied that they did not think any useful purpose would be served by their receiving such a deputation at the present time. Several members of the Council expressed their deep regret at the unbending attitude taken up by the firm.

ADDITIONS TO THE PROTECTED LIST.

Several applications to place articles on the Protected List received the careful consideration of the Council, some of which had to be rejected on the ground of the unsatisfactory nature of the proposed terms.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MR. ROLAND PRINCE, Ph.C., Longton, Staffs, has been appointed Senior Warden of the Etruscan Lodge of Freemasons.

AT the annual meeting of the Tunbridge Wells Tradesmen's Association on January 19 Mr. A. E. Hobbs, Ph.C., Mount Pleasant Road, was re-elected President.

COUNCILLOR SYDNEY M. NORTHEY, chemist and druggist, Bodmin, was installed Worshipful Master of the "One and All" Lodge of Freemasons, No. 330, on January 11.

MR. INGRAM WILLIAM CHAPMAN, chemist and druggist, the newly elected President of the Hull Pharmacists' Association, was apprenticed to Mr. John Tebb when he had a pharmacy in Crowle (Lincs), and was his first apprentice. Mr. Chapman left Crowle in 1876 for Spalding, where he was assistant to the late Robert Donington, Market Place. He passed the Minor examination in February 1881, and remained in London for further experience. Returning to Crowle, he purchased the business which had belonged to Mr. Tebb. Later he was in business at Ripley, Derbyshire, and for seven years in the Fulham Palace Road, London. In 1903 Mr. Chapman went to Hull, and purchased the business, better known as Grindell's, from Mr. Odell, which he now carries on at 54 Charles Street, a thickly populated and central district of the city.

MR. I. W. CHAPMAN.

MR. WILLIAM EDWARDS, the new President of the Proprietary Articles Trade Association, is the principal of the well-known firm of William Edwards & Son, wholesale dealers in proprietary articles and druggists' sundries, 157 Queen Victoria Street, London, E.C. The business was founded in the eighteenth century, and a few years afterwards the present Mr. Edwards' grandfather joined the firm, and ultimately became the sole proprietor. Mr. Edwards' father, also William Edwards, retired in 1900 and died in 1907. Some particulars of this historic business were given in the *C. & D.*, January 31, 1914, p. 156. Mr. Edwards is one of the most respected merchants in the City of London, and known for his courtesy and affable manner. He has taken a keen interest in the P.A.T.A. since its formation, and his support never wavered, even in the days before the Association had reached its present established popularity.

MR. W. EDWARDS.

Veterinary Notes.

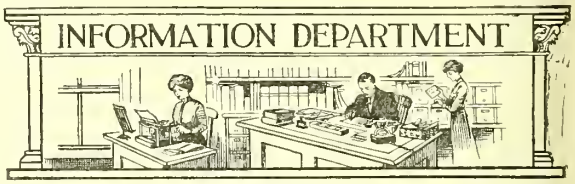
By a M.R.C.V.S.

The Season's Requirements.

AGAIN we are into the calving season, and it is advisable that veterinary chemists should be prepared for it by having a stock of medicines prepared to cope with the various diseases resulting from parturition both previous to and after it. Much depends upon cleanliness, and it should be specially emphasised that this is of supreme importance in calving and foaling, as the lining membrane of the womb and passage are very susceptible to septic poisoning (septicæmia). Many cases are followed by serious consequences through the hands and instruments of the accoucheur not being thoroughly clean when inserting them into the passage. It is not uncommon to see two ropes used for the legs of a calf, which are usually common plough-reins that are probably in use every day, and consequently cannot be clean. It is thus advisable to have antiseptic and disinfecting preparations prepared to apply to the hands and instruments, also several new ropes, which can be shown, with full instructions as to their immersion in the antiseptic before use. Medicated tape or cord for tying the umbilical cord can also be put up in hanks after they have been made aseptic by soaking in iodine solution or carbolic lotion for a time and dried. The cord and surrounding parts should also be painted for a few days with tincture of iodine. An ointment or liniment of chinosol well rubbed into the udder for a week previous, and a week after, parturition, is supposed to lessen or prevent the chances and risks of milk-fever. Perhaps any other antiseptic ointment would serve the same purpose. Antiseptics for washing or cleansing out the womb should also be recommended to customers. They not only assist in the expulsion of the placenta, but materially assist in the healing and closing of the womb. Chemists could make themselves a reputation by the introduction of a well-fitted, practical, and useful parturition box of medicines, with instructions for use. There are good advice and practical hints on the subject in "Veterinary Counter-practice."

Fowl-pox.

MR. H. A. REID (New Zealand "Journal of Agriculture," June 20, 1914, p. 585) gives the following particulars and treatment of fowl-pox, a disease affecting particularly fowls, turkeys, geese, and pigeons. It attacks most generally the unfeathered portions, such as the combs and wattles, and is characterised by the appearance of a number of wart-like outgrowths or excrescences, frequently covered, especially in the initial stages, with a dark-brown scab. The actual cause of the disease appears to be a very minute micro-organism present in the infective material from the site of the disease and in the blood of the affected birds. The virus is very resistant to heat, light, and chemical bactericides, as compared with other bacteria of the same class, and will resist a temperature of 140° F. for an hour and a half or steaming for one hour at 212° F. The scabby material will also resist the action of air and light for over two months. A 2-per-cent. solution of carbolic acid destroys the virulence of the organism in half an hour, but greater dilutions have no effect. The treatment recommended consists in the isolation of all birds showing symptoms of the disease, and the remainder of the fowls should be inspected daily to note if there are any further cases. The roosts should be thoroughly cleaned with hot water and soda, and subsequently disinfected with a reliable disinfectant. All litter before being scattered in the runs should be lightly sprayed with kerosene and set fire to, and the runs should be dug up and top-dressed with lime. Individual birds may be treated by painting over the diseased parts once daily a solution of one part of tincture of iodine in ten parts of water with a stiff brush. All utensils should be thoroughly scrubbed and boiled.



Postal Address:
C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.
Telegraphic Address: "CHEMICUS, CANNON, LONDON" (two words).
Telephone Number: 3617 CENTRAL (three lines).

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

237/12. "Aero" sponges.
231/101. Brisley's malted food.
231/100. "Kitto" hair-restorer.
231/102. Lyall's cream.
238/60. Phytolacca lozenges.
231/103. "Kencream" for dogs.
231/105. Madame Vars' face-powder.
230/10. Pott's "Infants' Friend."
230/25. Dr. Fichtel's herbal diabetic powder: supplies.
230/230. "Petrosine."
230/60. Nasal-tube (bone) to regulate breathing.
233/57. Andrew's Camphor syrup.
234/15. "Sanko" toilet-roll: makers.
231/1. "Venus" cream.
234/74. "Italia" toilet-paper.
234/740. "Terebos" toilet-paper.
235/141. Savon dentifrice antiseptique de V. Hony.
235/39. Safety-razor blade-stropper No. 4508.
236/57. Precipitated carbonate of barium (pure): makers in large quantity.
236/56. Crosby Curtis's chilblain-cure.
236/47. "Motor Queen" skin food: present address of makers.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.:

Aluminum measures, 233/43
Ampoules, glass (for U.S.A.), 235/10
Antileprol, 233/56
Artosal, 235/14
Asparagin, 235/15
Bertholletts salt, 235/50
"Bivouac" cocoa, sugar and milk, 230/24
Bromocarpine, 232/47
Camel-hair brush handles (makers), 236/30
Cellulose wadding, 231/67
Chemists' account books, 231/77
Cocain hydrochloride (for Japan), 232/45
Davol Rubber Co.'s goods, 231/34
"Entrapuro" mouth-wash, 236/45
Esco (Cornford & Co.), 228/67?
Laboratory glassware, 234/64
Liquid paraffin (American), 235/4
Milburn's toilet preparations, 231/100
"Motor Queen" toilet specialities, 236/47
Dr. Monroe's specialities, 230/1
Naftalan, 231/33
Naphthaline salt, 227/40
Neo-Salvarsan (for Egypt), 228/11, 228/68
"Orotol" tooth-powder, 235/16
Plaster-spreading machinery, 230/72
Pogson's (Dr.) skin soap, 225/21
"Reliance" hot-water bottles, 230/23
Rodagen, 229/72
Round wooden boxes (to hold 1 lb. chemicals), 236/2

Observations and Reflections.

By Xrayser II.

An Illegible Prescription

is one that cannot be read with certainty by anyone acquainted with the terms in which it is written, and it is unfortunately true, in spite of what Mr. Gamble says, that many prescriptions come under this head. A man familiar with the handwriting may be able to make them out; their meaning may possibly be arrived at by guesswork, or a process of reasoning; but, strictly speaking, they are illegible, and I am glad to see that the "British Medical Journal" condemns the habit of so writing that only trained professional knowledge will enable a man to guess at the meaning of what has been written. I do not, however, agree that it is ever "prudent", to dispense a prescription the meaning of which can only be guessed at; and Mr. Gamble's opinion that illegibility in prescriptions does not exist for the skilled pharmacist seems to me a very dangerous doctrine indeed. A considerable percentage of the prescriptions you from time to time submit to us ought, in my opinion, never to be dispensed at all. They are simply not readable, and an unreadable prescription is a disgrace to the writer, a snare to the dispenser, and a danger to the patient. The prescriber ought not to be encouraged in his slovenly ways, the dispenser ought to decline the snare, and the patient to be protected from the risk of error. The danger is often the greater when the dispenser prides himself on his skill in this respect, and the fact that by dispensing the prescription he magnifies his skill is an additional snare to him. It requires some courage to refuse a prescription, but it is a courage one is occasionally called upon to exercise.

The Prescription-checking Bureau

proposed by the Scottish Insurance Commissioners seems to have set the heather on fire. Things must be very bad indeed when we have Scotsmen actually proposing to spend their hard-earned saxpences in obtaining opinion of counsel whether they can be forced into the scheme against their will or not. Nevertheless, they are by no means unanimous, since the Kingdom of Fife has, by a big majority, voted for the centralising scheme. Mr. Yule, who once more comes into the limelight, states the case for centralisation with moderation and fairness, and it seems to me that no argument can be brought against it. To say that a proposal is *ultra vires* is not argument: it is only the objection which lawyers use when they are gravelled for want of something more tangible. To men of sense the *ultra vires* plea carries no weight as an argument unless there is a real substantial reason behind it. What the reason is we may possibly guess, but I fancy that the Commissioners have powers sufficiently wide to enable them to carry through a reform in procedure without being stopped by a plea that they are exceeding their prerogatives. By the way, I would like to know how the Glasgow Committee gets its checking done "without any expense." Or are the prescriptions never checked?

I am Not a Scot,

and am conscious of my temerity in expressing an opinion about a Scottish phrase, but to *redd* or *redd up* is not exclusively Scottish, and I may therefore venture to say that it has no apparent connection with *redding*, the name given to a condiment for fowls. To *redd*, in Scott, usually means to clear, sometimes in a moral and sometimes in a physical sense, and it is common, with the same meaning, in several of our English dialects. Hence, derivatively, it means to make tidy; a redding-comb is a comb for redding or tidying the hair; but what has this to do with the plumage of birds? Whatever it may be that is supplied under this name, the name itself may be taken to refer to the effect of the stuff on the bird's colour, whether of comb or feathers, and I suspect that in the first instance the references would be mainly to the former of these. Be this as it may, such stimulating tonics as your correspondents mention—cayenne, iron, etc.—are said by good authorities to "give lustre to the plumage" and "bring out the red in the combs." Wright recommends a portion of cooked meat of the size of a walnut chopped up daily for each fowl, and a little linseed with the soft food two or three times a week, for the same purpose. The linseed should be stewed to a jelly. Hemp-seed, too, given in the evening in small quantities has (he says) a good effect, but over-fattening should be avoided, especially if the fowls are for show.

Salicin,

valuable as it is, was a long time in finding its way into our Pharmacopœia. Discovered by Leroux and approved by Pelletier as a mild febrifuge, it was still regarded mainly as an inferior substitute for quinine when that alkaloid could not be obtained or was counter-indicated, and it did not appear in any of our London official Formularies or in the first B.P. Still more curiously, considering how fond our forefathers were of simples, its sources, the willow and poplar, were reckoned of little or no account in medicine. Neither of them was made official until 1809, when *Cortex Salicis* (great round-leaved willow bark) was introduced into the London book, only to be speedily dropped again.

A Letter from a German Professor

of world-wide celebrity was shown to me yesterday by its recipient, an English scholar, which shows that hatred of England and Englishmen is not universal in Germany, and gives, indeed, ground for hope that it is much less so than we might suppose from what we read in newspapers controlled by a military censorship. The letter was in acknowledgment of help given to the writer by his English correspondent before the war broke out, the news of which had, however, only recently reached him through a friend in Italy. After warm thanks for the valuable aid received, the Herr Professor went on to say that although the war must for a time prevent such mutual service, he was sure it would always be rendered when occasion served, and he trusted it would not be long before friendly intercourse between scholars in the two countries could be openly resumed. Such incidents are sufficiently rare just now to be worth making public when they do occur, and this particular one may usefully be set over against the incivilities of the "Pharm. Zeitung" quoted in your columns.

The Blackpool Pharmacists

are to be congratulated on selecting the psychological moment for airing their scheme for the easy transition of pharmacists to doctors. But when they are at it why stick at the Preliminary examination? It looks to me that the man who has undergone the pharmaceutical curriculum necessary for, and who has passed, the Minor examination ought to be exempt from a full year's study, and also from the First Professional examination, which commonly includes chemistry, biology, and physics. It is true that we do not study animal biology or zoology in the Minor curriculum, and possibly some arrangement might have to be made regarding that, but certainly there ought to be not the slightest hesitation in exempting the Minor man from chemistry and physics, and knocking off a year of medical study. The present time is especially opportune for urging the scheme, since we have been assured that there has been a heavy slump in the numbers of those entering the medical course this session on account of the war, and therefore the General Medical Council may be in a conciliatory mood. If I were asked my opinion as to the wisdom of a young pharmacist going into medicine I would say, by all means go ahead, but I confess that I am not sanguine of the success of men who leave the ranks after they have got into the thirties. True, we have brilliant examples in men like Thresh, Luff, and Symons, but I know many more who have proved utter failures as medical men.

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Editorial Articles.

Alien Enemies' Rights.

On January 19 the Court of Appeal delivered two important judgments relating to the question of alien enemies. In the first case the Court consisted of the Lord Chief Justice, the Master of the Rolls, and Lords Justices Buckley, Swinfen Eady, Phillimore, and Pickford. Lord Justice Kennedy, who died suddenly from angina pectoris on Sunday, was also a member of the Court when the evidence was given before it at the close of last year, and it was announced that he had, before his death, expressed his approval of the present judgment given by the Lord Chief Justice, which covers the appeals in the three cases of Porter *v.* Freundenberg, Kreglinger *v.* S. Samuel, and *In re* Merten's Patent. In the course of this the expression "alien enemies" was defined substantially as subjects of enemy States, and they have no right to sue in the King's Courts unless they are in this country under the protection and by the permission of the Crown. His Lordship expressed agreement with a recent decision of Mr. Justice Sargant, who held that the subject of an enemy State who is registered under the Aliens Restriction Act, 1914, is resident in this country with the tacit permission of the Crown, and is entitled to sue. The Hague Convention, 1907, in no way abrogates the common-law principle that an alien enemy, unless he is specially licensed or authorised by the Crown, has no right to sue in our Courts of Law. We take it that his registration is his authority. As regards an alien enemy's liability to be sued, his Lordship said that *prima facie* there seems no reason why our law should create any immunity for alien enemies against being sued for the just debts they owe to British subjects. It is clear that they are liable to be sued, and it follows that they can appear and take all the usual steps to bring forward their defence. Within certain bounds they have also the right to appeal. The second decision was in respect to the case of the Continental Tyre and Rubber Co., Ltd., mentioned in the *C. & D.*, January 9, p. 49. The decision of Mr. Justice Lush was sustained that that company, although composed mainly of foreign shareholders, is entitled to payment of debts due to it. As to this, the Lord Chief Justice said that at the outbreak of war the company was carrying on business in this country, and admittedly was, until that event, entitled to receive payment of debts due to it. Once a corporation has been established in accordance with the law it is an English company notwithstanding that all the shareholders are Germans. The debts are not due to the shareholders, but to the company, which alone is entitled to enforce payment; and once this conclusion is reached it follows that the payment is not to the alien enemy shareholders nor for their benefit. Lord Justice Buckley did not, however, take this view, and considered that the defendants (Thomas Tilling, Ltd.) should be allowed their appeal. The substance of his Lordship's remarks is as follows:

> The plaintiff company, as a corporation, had an independent legal existence which was British. The question was whether, when all the persons who expressed and gave effect to their wishes through the corporation were Germans resident in Germany, the corporation could sue in this country, because those persons who could not sue were, as matter of law, absorbed in a separate legal person which was British and could sue. Suppose it were the law to allow a sole person to incorporate himself as a company with limited liability, and an individual German resident in Germany became incorporated here as a British company, could it be seriously contended that in time of war that alien company, because he had acquired a legal corporate name and had an artificial legal existence in this country, was consequently for the present purpose not an alien enemy? Did it make any difference that the number of corporators in the present company was six? To say that the six Germans in the present case could approach the King because it was not they, but the British corporation, which approached the King, seemed to him to be unsound.

The judgments do not at all vary the opinions we expressed so recently as a fortnight ago in regard to the payment of accounts due to alien enemies residing in this country; in fact, they support the opinions. The dissenting judgment is of special interest to pharmacists, for if the appeal is carried higher the Law Lords will have to square it or compare it with what was said in the House of Lords nearly twenty-five years ago, when they had the question of "person" and "corporation" before them in connection with the practice of pharmacy.

Dutch Pharmacy Legislation.

: referred last week to the introduction of the Phar-
cy Bill into the Netherlands Legislature. This is a
asure of great importance to pharmacists in Holland,
d its introduction at the present time is an indication
at the matter is considered so urgent that the Govern-
nt cannot delay the subject any longer. It is stated
at this is due to the frequency of poisoning cases of
e. The principal modifications proposed are as fol-
vs: Licences authorising physicians to dispense are to
granted by the Provincial States. The limitations are
be fixed in each case, and the licence may be entirely
thdrawn if a pharmacist establishes himself in the
ighbourhood, but the pharmacist would be required to
mpensate the doctor. At present such dispensing-
ence cannot be withdrawn. To encourage the establish-
nt of pharmacies branch businesses are to be allowed;
present a pharmacist may only have one pharmacy.
regard to the sale of medicaments an attempt is to
made to confine dispensing and the sale of heroic
dicines to qualified pharmacists, but drugs of a less
tive character may be sold by qualified assistants.
e trade in simple drugs of a harmless nature is to
main open as at present. The State, however, will
ly guarantee the quality of those medicaments which
e sold by pharmacists or pharmaceutical assistants.
e supply of wholesale quantities of poisons is at present
restricted as regards persons to whom they can be
d when the amount sold is not less than certain
nimum quantities, but it is proposed now to restrict
h sales to retailers. Certain limitations are also pro-
ed to be placed on the importation of poisons and
dicines from other countries. The name and address
the seller require to be indicated on all poisons sold,
that the source can be traced. It had been intended
restrict definitely the sale of vaccines and serums, but
difficulties in the way have prevented more being
e than to take power to regulate the importation of
ry prejudicial substances." The trade in patent and
prietary medicines is to be regulated so far as con-
s advertising. It is proposed also to render it illegal
a pharmacist to use his qualification on behalf of
ualified persons.

Insurance Dispensing Grievances.

understand that so far no arrangements have been
le by the Government Department for the reception
Mr. Masterman of any deputation from the Pharma-
ical Society in reference to various matters in regard
nsurance dispensing. Indeed, it is not at all certain
present whether any such interview will take place.
object of the memorialists, if received, will be to
attention to the necessity of readjusting many of the
tisfactory conditions under which pharmacists are
ired to provide services under the Act. In particular
s desired that attention should be directed to the
tion of over-spent areas, the incidence of the mile
, the hardships involved in discounting accounts,
treatment of Pharmaceutical Committees in regard to
nses, the delay in payment of pharmaceutical bills,
use of aqua fontis, and the enforced recognition of
mixtures. In the present state of business at
tehall it is perhaps not surprising that the proposed
tation should not be received, and in view of the
meeting of Parliament it may be necessary for
l chemists to take other means of stating their
ances and having them ventilated in the House of Commons. It has also been suggested that chemists should go straight to the Chancellor of the Exchequer. The objection to this course is that Mr. Lloyd George is not the Minister who has charge of Insurance Act matters, and Ministers are exceedingly shy of interfering with other departments than their own. We notice, however, that Mr. Lloyd George's signature is attached to a "Gazette" notice in regard to the adjustment of accounts of deposit contributors. He and Mr. Gulland have signed this as Lords Commissioners of his Majesty's Treasury. It is in that capacity that some representative chemists would like to get at Mr. Lloyd George, for it is felt that the serious discounting which occurred ought to be made good. We question if the times are propitious, but certainly a responsible Minister should hear what chemists' representatives have to say about the inadequacy, under the present administrative regulations, of the monetary provisions for payment of drugs and appliances, also the absence of pharmaceutical representation in the inner administrative circle, with the result that medical opinion is predominant and protects the panel doctor at the expense of the panel chemist.

* * *

It is necessary that panel chemists should consider the Draft Regulations proposed by the Commissioners to be made under Section 28 of the 1913 Act and paragraph F of the First Schedule of the Act, as regards crediting to and payment of sums payable to Insurance Committees. These will affect panel chemists in districts where the discounting clause has to be put into operation, and we suggest that prompt action should be taken by the Pharmaceutical Council and Pharmaceutical Committees to stop the proposed Regulations being issued in their present form, which include the following proposals:

(*a*) A Society shall be debited upon the number of contribution cards which have been forwarded to it for the first half-year of the year by insured persons who were for the whole or any part of that half-year entitled to benefit.

(*b*) The Society shall make a return of the members of seventy years and upwards entitled to Medical Benefit.

(*c*) Also the number of members entitled to Medical Benefit in foreign-going ships in the mercantile marine.

The sum of the three numbers so obtained will be the number upon which the amount to be debited to each Society shall be based. This method entirely excludes all members who may not for various reasons, such as a lengthy sickness, hand in a stamped card, although entitled to Medical or Sanatorium Benefit, and will, therefore, be prejudicial to the financial position of the Drug Fund. It will be seen that those persons will be excluded during the period when greater demands will be made upon the Drug Fund than when they were in a state of health. The net result is that the panel chemist's pocket will suffer.

The Cultivation of Medicinal Plants.

The attention devoted to the subject of the cultivation of medicinal plants outside those countries which promoted the European war is likely to lead to practical results. The Government of Finland, it is now stated, is engaged in experimental work on drug-growing, and Sweden is collecting aconite-root for export. Reference has already been made in the *C. & D.* to the pharmaceutical experimental station which has been established at Wisconsin, in the United States, of which an excellent account is given in the December issue of the "Wisconsin Alumni Magazine." The Wisconsin drug-farm was

founded in July 1913, but already it is claimed that useful results have been reached. The account finishes as follows:

The eyes of the pharmacists all over the United States are upon Wisconsin. Ultimately similar stations will be established in all States of the Union, but the rapidity with which they will be established will depend largely on the work done at the Wisconsin station, and this, in turn, will depend largely upon the support given the station by the State.

"All-British."

A CORRESPONDENT, who signs himself "A Patriot" (233/51), writes to us in regard to advertisements which have become quite common since the war broke out, and particularly since the capturing of German trade became the basis of many advertisements. He says: "These advertisements may be legally correct and, although they contain that spirit of patriotism which, if taken up by the whole of the trade, would undoubtedly be of great assistance to it, yet they are," in his opinion, "grossly misleading, particularly to the public, who know nothing of these matters." He proceeds to give examples. Substantially these amount to the fact that in the examples given by him an essential ingredient in each is a product made in Germany. Our correspondent says there is no one more anxious to see the German trade taken by this country than he, but he considers that the system which he deprecates is one of "deception and misrepresentation." The point of view makes a great difference in matters of this kind. What we understand the advertisers to mean is that the production by them of a particular article is "all-British" in so far as the compounding and manufacture of the article as sold to the public is concerned, that being done in this country. For example, in the case of Eau de Cologne of British manufacture the article itself is a misnomer, and there is not a single ingredient in it, except oil of rosemary and alcohol, which is produced in this country, or can be produced. The others are not necessarily German; in fact, Germany, like this country, must buy the ingredients in the South of Europe. In the case also of brushes, every reasonable person knows that a British brush is one made by a British manufacturer in the United Kingdom, but "A Patriot" would probably object that such brushes are not all-British because the wood, the fibre or bristle, and the resins used to make the varnish are probably not produced in the British Empire. This would be "ridiculous excess" of patriotism.

Wills.

MR. SAMUEL HALLSWORTH, Cedar Grove, Armley, Leeds, chemical-manufacturer, who died on November 2, aged eighty-six, left estate valued at 2,223*l.* 16*s.* 10*d.* gross, with net personalty 2,036*l.* 4*s.*

DR. ISAAC BURNEY YEO, 8 Cadogan Place, London, S.W., who died on November 20, 1914, left estate of the gross value of 95,413*l.* 12*s.* 4*d.*, of which 94,366*l.* 14*s.* is net personalty. Bequests are made to medical charities.

MR. EBENEZER CULVERWELL, chemist and druggist, Minehead, who died on October 15, left estate of the gross value of 9,909*l.* 14*s.* 6*d.*, with net personalty 5,431*l.* 8*s.* 10*d.* Various annuities are left until his youngest child attains the age of twenty-four, when the property is to be divided between his wife (if then living) and his children.

A YOUNG MAN who needed false teeth wrote to a dentist ordering a set as follows: "My mouth is three inches acrost, five-eights inches threw the Jaw, Some hummocky on the edge. Sheped like a hoss-shew, toe forward. If you want me to be more particular, I shall have to come thar."

British Pharmacopœia, 1914.

Books and Pamphlets.

BOILEAU & BOYD, LTD., manufacturing-chemists, St. Bride' Laboratory, Dublin, have issued a sixteen-page pamphlet entitled "Notes on the New British Pharmacopœia, 1914," which gives in four tables the alterations that have been made in official medicaments. The company inform u that they will be pleased to send a copy to any chemis who applies.

B.P. ALTERATIONS.—The January prices current o Raimes & Co., wholesale druggists, York, contains a tabl of the more important additions and alterations include in the British Pharmacopœia, 1914. The remarks colum is a feature of this table. Since the drug-list was publishe Messrs. Raimes & Co. have issued a new edition of thei patent-medicine and proprietary-article list. Those article for which minimum retail prices have been fixed are indi cated by thicker type. A few pages are devoted to packe goods and druggists' sundries.

THE LABORATORY REPORT that Southall Bros. & Barclay Ltd., Birmingham, have issued this week embodies record of work done in 1913 and 1914. It is edited by Mr. E. W. Mann, B.Sc., F.I.C., Ph.C., and contains a number of observations in regard to the standards of the new British Pharmacopœia, these comprising the first criticism of this character which has come to us. The text extends to fifty-three pages, and special attention is called through the con tents to the comments upon benzoin, olive oil, pearl barley storax, essential oils, and cinnamon oil, included under the general heading Crude Drugs, Fixed Oils, etc. Chemical and galenical preparations follow, a special note being included on syrup of ferrous iodide. We subjoin quotation from the annotations, confining ourselves to those matters bearing upon the revised official monographs:

SPERMACETI.—In our opinion the lower limit for saponification value given in the 1914 B.P. is rather too high.

COD-LIVER OIL.—The new official monograph on this oil show a great advance on the old one. A set of constants is introduce which appear to be quite satisfactory.

OIL OF DILL.—The new Pharmacopœia fixes the maximum limi for specific gravity at 0.915, a figure which we consider to low; 0.920 would, in our opinion, be more reasonable.

CATECHU.—In fixing ash-limits for this drug the 1914 Pharma copœia introduces an innovation, in that 5 per cent. is given a the maximum ash allowable for the entire drug, and as much a 8 per cent. for the powder. The difference seems excessive.

IPECACUANHA.—The Pharmacopœia requires ipecac. root to con tain not less than 2 per cent. of alkaloids. . . . Out of the twenty samples assayed during the period under review no less than ten, or 50 per cent., failed to reach this minimum standard, th actual range being from 1.60 to 2.56 per cent., with a mea figure of 2.03.

COPAIBA.—The 1914 Pharmacopœia gives an approximate figur of 55 per cent. for resin, with a minimum acid-value of 75.6 Figures relating to some fifteen samples show that while in nearl every instance the acid-value is above this minimum figure, ther are many samples which would be excluded on account o excessive resin-content.

KINO.—The Pharmacopœia now requires the drug to be solubl in boiling water to the extent of 75 per cent., as against th former requirement of 80 per cent. A large proportion of th samples examined during the two years have proved of extremel unsatisfactory quality, not less than eleven out of fifteen failin to attain even this reduced standard.

BENZOIN.—The 1914 Pharmacopœia, while specifically excludin Siam benzoin, imposes a 15-per-cent. limit for matter insolubl in alcohol (90-per-cent.), which, in our experience, the Sumatr variety does not comply with. We . . . find that in no instanc does the amount of insoluble matter in samples representing th Sumatra benzoin of commerce fall below 20 per cent.

OLIVE OIL.—We are glad to note the thorough revision of th "characters and tests" now official, and on the whole are abl to approve of the new tests. . . . We fear that trouble will b experienced with regard to the figure of 6.0 as limiting the acid value. . . . A limit of this nature for the *fresh* oil is quite reason able, but due regard must be paid to the fact that the acidit of olive oil undergoes a progressive increase on keeping, a increase which is rapidly accentuated unless special precaution are taken to store at a low temperature and to exclude ligh and air.

There are many other useful notes in the report. One o special interest is in regard to the examination of tw specimens of menthol-cones that were sold at an extremel low price. The cones were composed of a core of har paraffin, which had been dipped in melted menthol, onl a thin layer of the latter being present. Copies of the bool can be obtained from Southall Bros. & Barclay, Ltd. Birmingham, by any of our subscribers at home or abroad

"THE B.D.H. GUIDE TO THE B.P. 1914" is the cover titl of a 175-page book, measuring $6\frac{3}{4}$ in. by 4 in., which ha been prepared and is published at 1*s.* by The British Drug Houses, Ltd., London. It is bound in dark-blue cloth, gold lettered, and has round corners—the requisites in size an style for a pocket-book. The contents begin with

'General Commentary," which explains, first, the purpose and scope of "the Guide," then deals with nomenclature. The drug-monographs (including Indian and Colonial drugs), galenicals, oils, and chemicals. This extends to seventeen pages, and is an informative and suggestive critique by one with inside knowledge of Pharmacopœia revision. "Special Notes upon Official Monographs" is the next and major section of the contents. The section extends from p. 27 to p. 171 inclusive. Three of the notes will serve to illustrate how each article is treated:

Acetanilidum.

No ostensible alteration, but the M.Pt. and solubility figures have been revised. The dose was formerly stated to be 1 to 3 grains.

Dose: 2 to 5 grains (12 to 30 centigrams).

Cresol.

New. A mixture of ortho-cresol, meta-cresol, and para-cresol obtained from coal tar. S.G. 1.040 to 1.050. Not less than 90 per cent. must distil between 195° and 205°. Must be soluble in water 1 in 50, a character which appears to be unnecessarily stringent since it excludes most commercial samples of cresylic acid.

Dose: 1 to 3 minims (6 to 18 centimils).

Decoctum Aloes Compositum.

No longer contains saffron. Further altered by new formula for compound tincture of cardamoms, but it contains the same quantity of extract of aloes.

Dose: ½ to 2 fluid ounces (15 to 60 mils).

We use smaller type, but the style is similar. One line at the side indicates that the monograph is new, and two lines show that the formula has been altered. Following these notes are (1) an illustration of arsenic-apparatus for the official method of quantitative estimation (Gutzeit's as improved by Hill and Collins), and (2) remarks on weights and measures. "The Guide" is so concise, interesting, and well done that we read it from cover to cover at a sitting. The first two paragraphs stimulated reflection. They are:

Upon the publication of a new edition of the British Pharmacopœia it is incumbent upon the pharmacist to make many changes in his stock of drugs, galenical preparations, essential and fixed oils, chemicals, and other articles the composition of which, by reason of their inclusion in the official volume, becomes no longer discretionary but statutory. It is probable, however, that a heavier burden than the making of such alterations is the discovery of what alterations it is necessary to make. The busy pharmacist of the present day has little leisure in which to make a close and detailed study of a highly technical volume of some 700 pages such as the B.P. 1914, and compare the monographs with those of the B.P. 1898. Neither has he time to spend upon examining analytically his stock of those chemical substances for which new tests may be imposed.

It was felt, therefore, that a short "Guide to the B.P. 1914," pointing out the chief alterations that have been effected, directing attention to those chemical substances and other articles which now become official for the first time, to the new galenical preparations which must now be put into stock, and to the more important changes made in the monographs relating to articles already official in the B.P. 1898, would satisfy a real want that cannot but be felt during the initial period when a new Pharmacopœia is still comparatively unfamiliar.

There is something to ponder over. Does it indicate a new phase in the practice of pharmacy? We have mentioned the price of the Guide, but we understand that each B.D.H. customer has received one copy gratis, and that the publishers give special terms to those who may desire to present copies to medical men. Students of medicine and pharmacy who want to know exactly what has happened in the B.P. things that matter should read this Guide *at least once*.

"C. & D." Dose and Metric Card.

The best thing of the kind available. It measures 11 in. by 8 in., and is looped to hang up. On one side of it are tables showing (1) the strengths and doses of official preparations which have been altered in potency by the B.P. 1914, and (2) the doses or uses of new articles and preparations. On the reverse of the card are tables of metric conversion factors and equivalences. These show how to convert metric quantities into imperial—*e.g.*, grams and c.c. (or millilitres) into grains (or minims), kilograms, ounces, and pounds; (2) how the reverse can be done, with methods of converting prices by one system into the other. The tables of equivalences form a ready-reckoner. The card is supplied at 2*s.* 6*d.* per dozen, or 6*d.* for two, or 1*d.* each, post free, and orders, with remittance, should be sent to the Book Department, *C. & D.*, 42 Cannon Street, London, E.C. The Department will also quote for parcels of 120, 250, 500, or 1,000, with the name and address of the chemist upon each. We find that a number of our subscribers desire to give the card to medical men in their district, and one's own name on the card makes it a permanent advertisement. The same applies to wholesale houses and their customers.

Evolution of the Pharmacist.

(Illustrated by Mr. Granville Shaw, Ph.C.)

III.

My apprentice days were spent, and my youthful ardour pent,
In a booth behind the Mercery in Chepe,
Where the smell of drug and spice gripped the nostrils like a vice,
And the pepper-pounding often made me weep;
But no whisper of regret from a proud Plantagenet
Was ever—hardly ever—known to come,
So I grabbed my pestle firm, pounded aloe, snail, and worm
Into messes, with a vigour prone to numb.

Mine the burden of the race to uphold in pride of place
That art of which the pestle is the sign;
So 'mid garbled spice and drug I, with many a sigh and shrug,
Carried on the gay traditions of our line
With a rushlight—not a lamp; we ne'er dreamt of medicine stamp.
So I groped along my altruistic way,
And the laurels that I won were politely handed on
To the brilliant pharmaceutist of To-day.

War Wants and Worries.

By "Allan."

III.

The outlook for panel chemists at the ordinary rate of remuneration, especially in those districts where discounting has been the rule, was decidedly serious. During the first fortnight of the war these pharmacists were anxiously awaiting some action on the part of their Pharmaceutical Committee. They were very despondent, as is usually the case, regarding Insurance matters; nevertheless a Micawber-like attitude was evident. The doctors do not intend voluntarily to alter their methods of prescribing. Evidently no attempt is made to learn what drugs are especially affected.

That Insurance work be carried out loyally and ungrudgingly is a worthy suggestion to make; but if wholesale houses press for cash payment and Insurance Committees continue to discount chemists' bills, what must be the result? Unfortunately the requirements of insured patients have not diminished to any appreciable extent.

Many of the medical men have been called up, and their practice is left with a *locum-tenens* who carries on the good work. It is so easy to write "Rept. mist."

The sop thrown to chemists is not pounced upon so eagerly as was possibly expected. The special stress which seems to be laid on the provision wherein the chemist need fill in the forms only if he thinks fit seems significant. How can we know whether or not the extra labour entailed may be worth while? Twenty-five special forms every month may be required. These, in addition to the ordinary work, entail a fair amount of clerical labour. What expert accountants we chemists must soon become!

There is much grumbling among the pharmacists. Even the most enthusiastic supporters of the Insurance Act are looking glum. Scant sympathy is extended to them by those who were inveigled on to the panel by the eloquence of these enthusiasts. We on our part have decided to carry on for a little longer. What a blessing it is that Hope is so difficult to kill!

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Winter Session.

ENGLAND.

Bath.—It was intimated to the Insurance Committee on January 14 that the Panel Committee are not at present desirous of introducing a local Formulary.

Birmingham.—A meeting of the Panel Committee was held on January 5, when the Secretary was instructed to inform the Insurance Committee that the Panel Committee, having held an inquiry into alleged excessive prescribing at the request of the Pharmaceutical Committee, recommended certain of the practitioners concerned for surcharge; to send a warning to certain practitioners regarding excessive prescribing; and to circularise all practitioners on the panel, indicating lines on which economy in prescribing could be practised. The Committee approved provisionally of a joint prescription-checking scheme under the auspices of the three Committees concerned. An application by the Pharmaceutical Committee to the Insurance Committee for administrative expenses, which had been forwarded for consideration, was approved.

Blackburn.—At a meeting of the Insurance Committee on January 14, Mr. E. W. Walsh, Ph.C., was appointed to check and analyse prescriptions for twelve months at a salary of 104*l.* The Chairman of the Joint Checking Sub-Committee, in moving the adoption of the Sub-Committee's report, stated that an effort was made in June 1913 to establish a central checking-office for Lancashire, but the proposal did not meet with support. It was anticipated that by next year such an office would be set up, and as the Sub-Committee considered it would be wise to join in any such central scheme, they only recommended the present scheme for twelve months. Mr. R. Lord Gifford, Ph.C., supported, and the arrangements of the Sub-Committee for checking prescriptions, etc., for the twelve months were approved.

Burton-on-Trent.—At a meeting of the Insurance Committee on January 14 it was reported that the Pharmaceutical Committee had called the attention of the Medical Benefit Sub-Committee to the nature of certain prescriptions given by one doctor to his insured patients. The Pharmaceutical Committee had investigated over 100 of these prescriptions in a fortnight, and they sent samples to the Panel Committee which they felt to be of such a nature as not to be adequate treatment. Mr. Lean, Ph.C., proposed that a Special Sub-Committee should be appointed to investigate the matter, but after the reports of the Panel Committee on the subject had been read and discussed it was suggested that the reports of the Panel and Pharmaceutical Committees should be submitted to the Commissioners with a view to an impartial investigation. Mr. Lean expressed his willingness to accept this, and the Committee agreed to adopt this course. The Medical Benefit Sub-Committee reported that the Panel Committee had decided to adopt ten stock mixtures in accordance with the stock-mixture clause. The Pharmaceutical Committee's report, stating that they did not agree to the proposal, was considered by the Sub-Committee, and they recommended that the list of suggested mixtures and a copy of the Pharmaceutical Committee's report be forwarded to the Commissioners, and that the attention of the Commissioners be drawn to the Committee's former protest in regard to the stock-mixture clause. The same Sub-Committee reported that during the quarter ended October 11, 1914, 10,785 prescriptions (value 260*l.* 10*s.* 9½*d.*) were dispensed, compared with 9,173 (value 290*l.* 4*s.* 8½*d.*) in the corresponding quarter of 1913.

Dudley.—The Insurance Committee on January 13 decided to join the West Bromwich, Wolverhampton, and Smethwick Committees in a joint prescription-checking scheme (*C. & D.*, January 16, p. 50). The annual cost of the scheme will be 120*l.*, of which it is estimated Wolverhampton will pay 40*l.*, Smethwick 35*l.*, West Bromwich 25*l.*, and Dudley 20*l.*

Durham.—At a meeting of the County Insurance Committee on January 13 a communication was read from the Pharmaceutical Committee with reference to dispensing by practitioners at Oakenshaw and Sunnybrow. It was decided to reply that, as the patients at Oakenshaw resided over a mile from the nearest chemist, the practitioner was entitled to dispense for them, and that inquiries would be made regarding dispensing by doctors at Sunnybrow. The Clerk reported that for the quarter ended October 11, 1914, 100,455 prescriptions, value 4,034*l.* 8*s.* 1*d.*, were dispensed by panel chemists.—The Panel Committee, at a recent meeting, decided, subject to the assent of the Insurance Committee, to circularise all practitioners on the panel in regard to economy in prescribing, as suggested in the Commissioners' circular 199/I.C.

Essex.—Panel chemists have been paid 3,253*l.* 2*s.* 11*d.*, equal to 75 per cent. of the amounts of their accounts for the fourth quarter of 1914. The number of prescriptions dispensed during the quarter was 136,053. The Drug (Joint) Sub-Committee reported to a meeting of the Insurance Committee on January 19 on the work that has been done in regard to the checking of prescriptions. The report stated that the Panel Committee had undertaken to consider the question of "Rep. mist." prescriptions, with a view to minimising the difficulties as much as possible, and to communicate their decision to the Sub-Committee. The Medical Benefit Sub-Committee reported that the Pharmaceutical Committee had suggested that the price-list of the British Drug Houses should be adopted as the basis for determining the charges for non-Tariff drugs, and the Sub-Committee recommended that the suggestion be accepted. Mr. Annis moved a resolution confirming the protest of the Medical Benefit Sub-Committee in regard to the stock-mixture clause, and supporting the Panel and Pharmaceutical Committees in their protests against the adoption of the clause, and this was carried. It was reported that the name of one chemist had been added to the panel list, while two chemists had withdrawn.

Halifax.—The Conjoint Committee on Prescription-checking reported to the Insurance Committee on January 12 that they had appointed Mr. A. H. M. Purse, chemist and druggist, Sunderland, to check and examine prescriptions and chemists' accounts at a salary of 70*l.* per annum. The Insurance Committee is to bear half the expenses of the working of the Conjoint Committee.

Hertfordshire.—The Insurance Committee on January 18 received a report on the checking of special accounts of prescriptions. It was stated that, owing to the elaborate nature of the official forms, considerable labour was involved in the checking, and the Committee's checker had requested payment at the rate of 10*s.* per 1,000. The number of prescriptions containing specially scheduled drugs in the quarter ended October 11, 1914, was 2,515. The Committee agreed to the payment of the extra remuneration.

Leeds.—The Insurance Committee has paid to chemists 87 per cent. of their accounts for the month ended December 11, 1914, and a similar percentage for specially scheduled drugs prescribed during October and November.

Liverpool.—Under the heading of "Tuberculosis: Domiciliary Treatment," the doctors' attention has been drawn to the fact that doctors frequently mark prescriptions (given by them to insured persons suffering from tuberculosis) "S.B.," denoting that the patient is in receipt of Sanatorium Benefit, when, as a matter of fact, no official sanction for it has been given. Practitioners are, of course, responsible for the treatment of all classes of disease, including tuberculosis, but the cost of drugs and medicines cannot be charged against the Sanatorium Benefit Fund, except in those cases in which the previous sanction of the Committee has been obtained. In cases for which sanction has not been obtained, the cost of drugs and medicines falls upon the Medical Benefit Fund, to the disadvantage of both doctor and chemist.—The Panel Committee, at a recent meeting, again considered the question of its contribution to the expenses of checking prescriptions, and decided to adhere to its original offer to contribute one quarter of the expenses of the Joint Checking Committee, as the Insurance Committee refuses to sanction the requirements which the Panel Committee considers essential. The Insurance Committee, the Medical Benefit Sub-Committee, and the Special Sub-Committee have expressed strong disapproval of the stock-mixture clause, while the Panel Committee highly approves of the Commissioners' proposals.

Middlesex.—The Pharmaceutical Committee met at 17 Bloomsbury Square, W.C., on Wednesday, January 13, Mr. Clement presiding. The need of administrative expenses for 1915 was mentioned by the Secretary (Mr. Hugo Wolff), and it was agreed that conjoint action with the Panel Committee should be taken. A great deal of correspondence was dealt with, one letter being about doctors telling patients to go to particular chemists. On the motion of Mr. Strickland, seconded by Mr. Webber, it was unanimously agreed that action should be taken and the Insurance Committee asked to intervene. A very large bundle of prescriptions had been passed on by the Panel

Committee for consideration, recommending that action should be taken. The instances were bad, and the Secretary was instructed to write to each chemist pointing out how he had contributed to depletion of the Drug Fund by negligence in supplying these things repeatedly without notifying the Secretary, for had such notification been given the channels of depletion might have been stopped much earlier and the prospect of discounting diminished. The Secretary presented a list of articles which had been handed in to the Checking Sub-Committee. Several items were disapproved, and broad principles for a suggestion to the Panel Committee to act upon were agreed to. Mr. Wolff explained that he had attended the Panel Committee by invitation, when the subject of "Rep. mist." was discussed. The result was that the Insurance Committee had issued a circular that no rep. mist. will be paid for in future, and nothing allowed to the chemist for filling in. The rendering of accounts in 1915 was explained. Prescriptions are to be divided under the heading of the doctors prescribing, and sent in unpriced, but this will not interfere with the chemist pricing his duplicate for checking the official pricing, which is now no longer a check. The sheet containing the amount will be returned to the chemist, and on his acceptance will be returned as the account on which payment will be made. It was felt that a circular letter indicating the various points is needed, and the Secretary undertook to issue one, with a reply postcard for acknowledgment, so as to obviate future misunderstandings. [The circular has since been issued.—ED.] The report of the Checking Sub-Committee had not been completed, and was promised in full for the next meeting. It was reported that six chemists had retired from the panel and twenty-six joined.

Newcastle-on-Tyne.—The Finance and General Purposes Sub-Committee reported to the Insurance Committee on January 19 that they had passed for payment chemists' accounts amounting to 587*l.* 13*s.* 1*d.* A return presented by the Clerk showed that during the quarter ended October 11, 56,137 prescriptions (value 1,800*l.* 18*s.* 8*d.*) were dispensed.

Nottingham County.—A meeting of the Nottinghamshire Pharmacists' Association was held at the Swan Hotel, Mansfield, on January 13, Mr. Briggs in the chair. There were also present twelve members and Mr. A. H. Bell (Hon. Secretary). The Secretary reported that the circular issued by the Panel and Pharmaceutical Committees to the panel doctors, pointing out where economies could be made in prescribing without interfering with the medicinal value, had been successful. There is now no possibility of discounting, and the doctors would probably receive a substantial portion of the floating sixpence. It was reported that two doctors had been surcharged for prescribing proprietary medicines. The Secretary raised the question of allowances for expenses to members of the Pharmaceutical Committee. It was suggested that a levy of 1*d.* in the pound on all moneys received for State dispensing would be sufficient to pay all expenses. The Notts Panel Committee asked the Pharmaceutical Committee to accept the formulary as used by the Nottingham City panel. After the matter had been discussed, it was left for decision with the Pharmaceutical Committee.

Oldham.—The Insurance Committee on January 12 decided to comply with a request of the Pharmaceutical Committee for 50*l.* for administrative expenses.

Sheffield.—A meeting of the Pharmaceutical Committee was held on January 19, Mr. J. Gilbert Jackson presiding. The death of Mr. W. F. Shirtcliffe was reported, and on the motion of the Chairman a vote of condolence with Mrs. Shirtcliffe and family was passed. Mr. Oliver Wright was unanimously elected to fill the vacancy caused by Mr. Shirtcliffe's death It was decided that the Secretary should draw the attention of the Panel Committee to the fact that two practitioners are still using "Rep. mist." and are ordering preparations of the old Formulary, which has been cancelled, and also that some practitioners fail to give a duplicate prescription as arranged. In answer to an inquiry by the Insurance Committee, it was resolved to confirm the recommendation that an emulsion-fee be allowed for lin. terebinth. The Committee had under consideration the proposed regulations of the Commissioners dealing with the debiting of Approved Societies for the Drug Fund, and the Secretary was instructed to write to the Commissioners stating that the method proposed is likely to be prejudicial to the financial position of the Drug Fund, as it excludes members of Approved Societies who may not have handed in a contribution-card, although entitled to Medical Benefit, and asking that, in view of the fact that panel chemists have to submit to discounting of their accounts, the Regulations shall provide for the Drug Fund being credited with the capitation grant in respect of all persons entitled to Medical Benefit.

Skipton.—The Clerk reported at a recent meeting of the Insurance Committee that the West Riding Committee desired an arrangement for the dispensing for patients at Cross Hills, outside the mile-limit, the doctor concerned having expressed a desire to cease dispensing. A satisfactory arrangement was arrived at by which patients beyond the mile-limit will receive their medicines from the chemist in future.

Smethwick.—The checking scheme has now been adopted, and chemists have been asked to send in their accounts monthly, instead of quarterly, to facilitate matters. Accounts will be paid quarterly as before.

Soke of Peterborough.—Fifteen chemists have undertaken service upon the panel for 1915—ten in Peterborough, four in Stamford, and one in Bourne.

Southend-on-Sea.—Four chemists who have seceded from the panel are advertising the fact in the local papers. Mr. J. H. Heywood, of Bell & Co., 73 High Street, writes in a local paper, stating that the reason given by the Chairman of the Insurance Committee for the withdrawal of the chemists from the panel—viz., that they had too much work—is untrue, and explaining that the reason is that they believe that the funds allowable for the payment of chemists' accounts under the borough Insurance Committee will be totally inadequate.

West Bromwich.—The doctors have been paid 1,602*l.* 10*s.* 8*d.* for 21,978 patients for the quarter ended December 31, 1914. Advances have been made to chemists for the same period at the rate of 90 per cent. of their accounts—a total of 418*l.* 3*s.* 5*d.* A case of what appears to be excessive prescribing has been referred to the Panel Committee for their investigation.

SCOTLAND.

Aberdeen.—The Insurance Committee on January 11 considered the Regulations issued by the Commissioners for the Central Prescription-checking Bureau, together with the recommendation of a Sub-Committee that the Committee obtain the opinion of counsel on the matter (*C. & D.*, January 16, p. 50). The Convener of the Finance Committee (Mr. Bisset) stated that the scheme of representation of the constituency [Aberdeen Burgh (four votes), Aberdeenshire (three), Kincardineshire (one), Forfarshire (three), Arbroath (one), Perthshire (three), and Perth Burgh (two)] is cumbersome, and he did not know how one representative is to keep in touch with the different Committees. The Finance and Medical Benefit Sub-Committees considered that the work would be better done locally, and the County Committee agreed. He moved that they co-operate with other protesting Committees in the submission of a case to counsel, and in taking such action as might be necessary to get Parliament to withhold consent to the Regulations. To this the Committee agreed. Mr. Bisset then moved that they nominate a representative to the Drug Accounts Committee, and after a long discussion this was agreed to, and Mr. Bisset was nominated.

Dumfries and Maxwellton.—The Insurance Committee for these burghs has approved of the Central Prescription-checking Bureau, and has selected Bailie O'Brien (the Chairman) as the candidate for the Drug Accounts Committee.

Elgin and Nairn.—The Insurance Committee on January 16 considered the Regulations issued by the Commissioners for the Central Prescription-checking Bureau. Mr. A. Robertson, chemist and druggist, Elgin, was proposed as representative on the Drug-accounts Committee, but declined.

Glasgow.—At a meeting of the Pharmaceutical Committee held on January 13 a letter was read from Mr. James Lennox intimating his desire to resign his membership owing to ill-health. The Secretary was instructed to express the regret of the Committee to Mr. Lennox, and their hope that he would reconsider his decision. The Sub-Committee on Extravagant Prescribing reported that a number of doctors had been able to show satisfactory reasons for seemingly high figures against them, but a number had failed to reply to the inquiries of the Panel Committee or had failed to adduce satisfactory explanations, and were therefore likely to be surcharged. It was reported that the Drug Fund for 1914 amounts, in round figures, to 32,000*l.* as a minimum, and the drug-accounts rendered for the year amount, on a maximum estimate, to 29,500*l.* There will, therefore, be no discounting, nor will there be a bonus. The arrears will be paid shortly. Mr. G. Shiach Kitchin was nominated as the Burgh representative on the Drug-accounts Committee.

Perthshire.—At a meeting of the Insurance Committee on January 18 a Sub-Committee reported with regard to the question of dispensing in rural areas: "That, while of opinion that in places where a doctor and chemist are

both in practice the dispensing should be undertaken wholly by the chemist, it is undesirable to alter the special arrangements in operation at Alyth, Coupar Angus, and Doune during the period of the war."

Notes.

TARIFF ALTERATIONS.—The Pharmaceutical Standing Committee (Scotland) has submitted its list of Tariff alterations to the Commission. Seventy-two "starred" articles have been altered in price for next month, the number increased in price being about equal to the number of decreases.

DISPENSING DOCTORS AND WAR-PRICES OF DRUGS.—It was reported to the Insurance Act Committee of the British Medical Association on January 7 that a reply had been received from the Commissioners with reference to representations made to them by the Committee, asking that the equivalent of any special concessions made to chemists in respect of war-prices of drugs should be extended to dispensing doctors. The reply stated that the Commissioners had come to the conclusion that they would not be justified in extending these concessions to doctors with whom arrangements to supply drugs on a capitation basis had been made, and that they are not prepared to recognise that the position of a doctor supplying drugs on such a basis is, from the point of view in question, identical with that of a panel chemist. The Committee also considered the scheme proposed by the Association of Welsh Insurance Committees for the establishment of a Central Prescription-checking Bureau for Wales, and the Secretary was instructed to forward to Welsh Panel Committees in Wales a memorandum based on the decision of the Committee in regard to the similar proposal of the Scottish Commissioners.

Winter Session

of Meetings of Trade Associations.

(See also "Insurance Act Dispensing.")

Chesterfield.—A meeting of the Chesterfield Pharmacists' Association was held on January 12, Mr. T. E. Furness in the chair. A letter was read from the Chemists' Defence Association regarding the sale of tinct. opii, but the meeting decided to obtain further information. The Secretary was instructed to inform the local medical men that where preparations of the *British Pharmacopœia 1914* are required these should be indicated on the prescription, otherwise the preparations of the B.P. 1898 will be used. A discussion afterwards took place regarding the changes in the B.P. 1914. The matter of *Earlier Closing* came up on a communication from the Chesterfield Chamber of Trade. After a consideration of the matter, the feeling of the meeting was that the time for closing might be fixed at 7.30 on every week-night, except on Saturday, when 10 P.M. was suggested. No resolution was passed, as the times of closing depend upon the attitude of other traders.

Doncaster.—A meeting of the Doncaster Association of Pharmacists was held at the Albany Hotel, Doncaster, on January 12, the President (Mr. H. W. Shaw) in the chair. There were also present five members and the Hon. Secretary (Mr. Harry W. Stiles). A discussion took place on *Laudanum, B.P. 1914*. Mr. Stiles said that, from a commercial point of view, it was a pity the B.P. had used the word "Laudanum" as a synonym for tinct. opii, and the majority of those present concurred. Mr. Plant thought the compilers of the B.P. had in mind the idea of discouraging the retail sale of the article. It was decided to circularise the members to the effect that, until further notice, when "laudanum" is asked for tinct. opii, B.P. 1898, should be supplied, labelled as such, and an explanation made to the customer. The Secretary was also instructed to write to the local doctors to the effect that, unless specifically indicated, preparations of the B.P. 1898 would be dispensed until March 31.

Edinburgh Assistants.—A meeting of the Edinburgh Chemists', Assistants', and Apprentices' Association was held at 36 York Place, Edinburgh, on January 13, Mr. Henry Stout, Ph.C. (ex-President), in the chair. A communication was read on *Ordeal Poisons* by Mr. J. Tait, Ph.C. The lecturer gave an historical account of ordeals generally, and also of customs in use at the present day. Ordeal poisons would be used, he thought, at an earlier date than arrow poisons, because the use of the latter suggested a much higher intelligence, and consequently a later stage in evolution. Ordeal poisons were used chiefly in connection with witchcraft. Primitive people had great faith in the justice of the test, and readily underwent the ordeal. A person was held in greater esteem the oftener he came through the trial. The general method of preparing the ordeal was to make an infusion of the drug. This the accused was forced to drink, in the belief that the innocent would vomit and escape death, while the guilty would retain the poison and die. Should the accused, though retaining the poison, not die from its effect, he was nevertheless considered guilty. Mr. Tait gave a detailed account of the following drugs which have been used for the purpose: Calabar-bean (*Physostigma venenosum*), sassy-bark (*Erythrophlæum guineense*), koumanga-bark (*Erythrophlæum Couminga*), M'Boundou or Ieaja ordeal poison (*Strychnos Ieaja*, Baill.), and the Tangena or ordeal bean of Madagascar (*Tanghinia venenifera*). A discussion followed, which was taken part in by Messrs. Murray, Watson, Morpeth, Hill, and Stout. A vote of thanks was awarded to Mr. Tait, and also to Mr. E. M. Holmes, who had sent specimens.

Ipswich.—A meeting of the Ipswich Chemists' Association was held on January 14. Mr. J. C. Wiggin (President) was in the chair, and Mr. C. Smalley read a paper on *Drug-cultivation in Great Britain*. Reference was made to the materia-medica farm of Burroughs Wellcome & Co. at Dartford. Slides of various medicinal plants were shown, including some taken at the drug-farm of Stafford Allen & Son, Ltd., at Long Melford. A discussion followed, in which Messrs. Clifton, Kedgeley, and Morgan took part. A vote of thanks was accorded to the lecturer.

London (S.E.)—A whist-drive was held in connection with the South-East London Pharmacists' Association at the Gild Hall, High Street, Lewisham, on January 14. A most enjoyable evening was spent, there being present about one hundred ladies and gentlemen. One of the objects of the whist-drive was to help the Belgian Doctors' and Pharmacists' Relief Fund, and a collection made with this object during the interval realised 3*l*. 8*s*. 10*d*. The following were the prize-winners: *Ladies*—Mrs. Hammerton, Mrs. Pinto-Nash, Mrs. Waller, and Mrs. Neal: *Gentlemen*—Mr. Curnow, Mr. Green, Mr. Ralph, and Mr. W. C. Sayers. A vote of thanks was accorded to Mr. W. T. Tucker, who organised the proceedings. With the amount collected and the profits from the whist-drive, Mr. Tucker hopes to be able to send a cheque for 6*l*. 15*s*. to the Belgian Fund.

Middlesex.—The Executive of the Pharmaceutical Association met at 17 Bloomsbury Square on Wednesday, January 13, Mr. John Humphrey presiding. It was agreed that the present officers should continue to serve until July, so as to make the election coterminous with the Pharmaceutical Committee. The Secretary (Mr. Wolff) showed that the finance of the Association is unsound, and it was agreed that the district Associations should pay the levy in one lump sum. The affairs of the Ealing Association were raised, and, acting on suggestions from Messrs. Strickland, Webber, and McKee, arrangements were made for an evening meeting on Thursday, January 28, when the President promised to attend, as well as several members of the Executive. A resolution from North London on the "Laudanum" question was withdrawn by Mr. Skinner, as he considered that the Pharmaceutical Council had expressed the necessary opinion. He proposed, and it was agreed, that all affiliated Associations should present a monthly report to the Executive.

Newcastle-upon-Tyne.—A meeting of the Newcastle-upon-Tyne Pharmacists' Association was held on January 13, when Mr. F. Gilderdale, Ph.C., read a paper on the *New British Pharmacopœia*, giving details of the changes that have been made. There was a good attendance, and the reading of the paper was followed by a short discussion.

Nottingham.—A meeting of the Nottingham Pharmaceutical Association was held at the Flying Horse Hotel on January 20, when there was a very good attendance. The Vice-President (Mr. A. Middleton) presided. Mr. J. E. Vickers (Derby Road) and Mr. A. H. Wood (Woodborough Road) were elected members, while Mr. W. A. Smith was elected an associate member. Mr. J. T. Robson read a paper on *The New Phase in Patent-medicine Advertising*. The subject gave rise to an energetic discussion. The trend of opinion seemed to be that no action by pharmacists other than personal reasoning would be of use. A resolution was passed that the Pharmaceutical Society should use every effort to influence legislation having for its object the combating of misleading methods of advertising ordinary drugs as proprietary articles.

Oldham.—A meeting of the Oldham Pharmaceutical Association was held on January 11, Mr. W. Gartside (President) in the chair. Mr. W. J. Uglow Woolcock was present, and gave a *résumé* of the work done by the Pharmaceutical Society during the past two years. Mr. Woolcock emphasised the value of the recognition given by both

overnment and public to pharmacists as dispensers for he nation, and expressed his confidence that chemists will o everything possible to maintain and to strengthen the osition obtained for them. The Society had been invited o co-operate with the Government in various important irections, particularly in regard to the *Supply of Drugs*, hemicals, and medicines previously obtained from the ontinent. Researches had been undertaken in the ociety's laboratories and through their experts for the purose of assisting in providing alternative sources of supply or substances shut out by the war. The *New Tariff* and s bearing on the adoption of a national Tariff was also ealt with, together with certain hardships connected with harmaceutical service under the National Insurance Act, nd the members of the Association were urged to give nanimous support to the efforts of headquarters in seeking o obtain prompt payment of accounts, preservation of ill dispensing-fees, and the abolition of discounting. A ote of thanks was accorded to Mr. Woolcock.

Paisley.—A meeting of the local Pharmaceutical Asso-ation was held on January 14, when a lantern-lecture on Simplicity and Success in Photography," by Burroughs Vellcome & Co., London, was read by Mr. Alexander eorgie. A discussion afterwards took place on the altera-ons of strengths of B.P. tinctures and other preparations.

Salford.—A meeting of the Salford Pharmacists' Associa-on was held at the Cattle Market Hotel on January 14, the resident in the chair. Fifteen other members were present nd Mr. J. L. Davison (Hon. Secretary). The meeting was iefly occupied in discussing matters of local interest. It as decided to ask the Insurance Committee to request o Panel Committee to furnish their report regarding xcessive prescribing in 1913 as early as possible, to enable harmacists to close their accounts for that year.

Southport.—A meeting of the Southport Pharmacists' nd Assistants' Association was held on January 12, Mr. . Righton (President) in the chair. Seven other members nd Mr. R. H. West (Hon. Secretary) were present. Mr. harles Hare opened a discussion on *Half-holiday Closing*, hich he thought could be arranged for Tuesdays. Mr. ighton pointed out the inconvenience to dispensing busi-sses which would be caused by closing. Mr. Joyce en-rsed this view, calling attention to the fact that dispens-g is a feature of Southport businesses. The matter was lowed to drop. Mr. Hare also called attention to the fferences in the *Drug Tariffs* of Southport and Lancashire, nd urged that there should be a national Drug Tariff. iscussion on *B.P. Difficulties* was postponed till the next eeting.

Ucal Lodge.—The meeting of pharmacists at Man-ester on January 13, following the exhibition of Ucal oducts (*C. & D.*, January 16, p. 37), was attended by over hundred pharmacists. Mr. F. W. Bates, who was in the air, addressed the meeting, and he was followed by Mr. arold Miller (managing director of the United Chemists' sociation, Ltd., Cheltenham), Mr. J. Gilbert Jackson heffield), Mr. Frederick Cherry (Walton-on-Thames), Mr. W. Evans, and Mr. C. W. Brumwell, who dealt with rious aspects of this chemists' co-operative movement. . Storey (Leeds) also spoke about advertising. After-rds a Lancashire branch of the Ucal Lodge of Pharmacy s formed, with Mr. G. F. Bushby as President and Mr. Cromack, Oxford Road, Manchester, as Hon. Secretary. meeting will be held soon for the purpose of electing the er officers and the committee.

West Ham.—A meeting of the West Ham, East Ham, l Metropolitan Essex District Association of Pharma-s was held on January 14 at Earlham Hall, Forest Gate, ndon, E., the chair being taken by the President (Mr. Miller). A suggestion that ladies should be invited to annual dinner in February was negatived after discus-n. Mr. Kirkpatrick reported upon the work done by West Ham Pharmaceutical Committee. Mr. Blades d some notes upon the retailing of some of the new or red preparations of the B.P. 1914, which gave rise useful discussion. Arising from a debate upon the ort of the Secretary of the Pharmaceutical Committee, solution was adopted asking the Pharmaceutical Society lay evidence before the Government concerning the essive wholesale price of certain chemicals in relation he cost of production.

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n the twenty-eighth Annual Report of the Traders' ence Association of Scotland, 64 West Regent Street, sgow, the board of management again expresses its iction that the Association is continuing to oppose essfully the aggressive work of the co-operative move-t and to hinder its progress in attaining its avowed ct—the elimination of the principle of individualism n trade and commerce.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

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42 Cannon Street, E.C., January 21, 6.30 p.m.

BUSINESS in the produce markets continues in the somewhat deceptive fashion which is steadily becoming the normal condition. That is to say, buyers and sellers get plenty to do, but at the end of the day, week, and month they find that there is little to show for it. It takes longer to do business in these war-times; transactions which in ordinary times would go through without a hitch are delayed by the stagnation which prevails by sea and land carriage, by the scarcity of labour, and many other conditions which only those who are in the produce markets really know, and only they seem to appreciate fully. These factors also add to the cost of articles which otherwise are not dear. "Time is money" is particularly true as regards goods imported from abroad. A cargo ship may lie for weeks waiting to discharge, and as the ship costs the owners so much per day, that item is added to the cargo, and it may mean a few pence per lb. on such items as cascara sagrada, ipecacuanha, and potassium chlorate. Buyers of chemicals and drugs, as well as dealers in wheat, have to reckon with this factor, and it is getting more strongly in evidence every week, a great number of inquiries being due to the inability of would-be customers to find goods ready for immediate delivery. Many of the sharp rises for prompt delivery are due to this reason, the coastwise trade is also greatly delayed. Besides, there is the growing scarcity of supplies of articles produced in belligerent countries, such as salicylic acid and salicylates. We have been living on stocks of these which have shrunk daily since the war commenced, and the same may be said of all other synthetics. Here the price appreciation is larger proportionately than the stock shrinkage. This week's business all round has been fair. As indicated in our last report, there has been more inquiry for quinine salts, particularly hydrochloride, and salicylates have also been in greater demand; menthol has been selling freely at an advance. Many orders for home and trade abroad came for menthol, which was in short visible supply; this should be relieved shortly. With the Belgian, French, and Italian shipments of castor oil all stopped, the English manufacturers are literally swamped with orders. Opium is easier for the reason stated later. The changes of the week may be summed up thus:

Higher	Firmer	Easier	Lower
Acetanilide	Cascara sagrada	Aniseed oil	Ammon. sulphate
Buchu (N.Y.)	Citric acid	Opium	Potassium bichromate
Coriander	Potassium chlorate		Sarsaparilla (N.Y.)
Cumin seed	Soy		
Hydrastis (N.Y.)			
Linseed			
Menthol			
Phenacetin			
Peppermint oil			
Salicylates			
Vanillin			

Cablegram.

NEW YORK, January 21.—Fair business is being done on this market. Opium is lower at $8.70, menthol steady at $2.50, oil of peppermint higher at $1.40, sarsaparilla lower at 12½c. Hydrastis has advanced to $4.50 per lb., and round buchu-leaves have also advanced to $1.50.

London Markets.

ACETANILIDE.—Again dearer, 2*s.* 6*d.* per lb. now being wanted for spot supplies, which are small. This is one of the articles which are receiving the attention of manufacturing chemists connected with British pharmacy, but their product has not yet come on the open market.

ACETYL-SALICYLIC ACID is still obtainable at 6*s.* 3*d.* to 6*s.* 6*d.* per lb., and further supplies are coming forward. The Swiss Government has, as a precautionary measure, prohibited exportation; this is believed to be a temporary measure to ensure internal supplies.

ALCOHOL.—The German Spirit Centrale raised the selling-price by m.5 per hectolitre on January 17.

AMMONIA SULPHATE.—Dearer, 25-per-cent. grey being 12*l.* 10*s.* in London.

ANISEED.—No business has been reported, and quotations are unchanged at 42*s.* 6*d.* per cwt. for Spanish and at 35*s.* for Levant.

ANISE OIL.—Chinese easier. Sellers want 3*s.* 3*d.* per lb., and buyers offer 3*s.* 2*d.* c.i.f. for "Red Star," the spot price being 4*s.* 3*d.*

BISMUTH-SALTS are in excellent demand, and makers are busy. There is no change in prices so far. It may be that the reported use of the metal in shrapnel may influence the drug-market values. To-day's price is 10*s.*

CANADA BALSAM is quoted 5*s.* 6*d.* per lb.

CANARY-SEED.—There has been a good demand lately, and prices have improved; ordinary quality is held for 92*s.* 6*d.* and good for 95*s.* per quarter. Spanish is quoted 100*s.* to 115*s.* for ordinary to fine bold.

CARAWAY-SEED is firm at 32*s.* 6*d.* per cwt. for fair Dutch.

CASCARA SAGRADA.—There is said to be nothing obtainable in this market under 140*s.* per cwt. It is quite possible we shall see an appreciable increase in value shortly, as the demand is always fair during the first three months of the year and freight rates have increased enormously.

CASTOR OIL.—Medicinal is very scarce for prompt delivery; 38*s.* per cwt. has been paid for English in barrels, and 40*s.* for tins in cases, but forward delivery is cheaper.

CITRIC ACID is a shade firmer, 2*s.* 6½*d.* per lb. now being wanted for crystals. The difficulty of getting the material from Italy is greater and is increasing.

COCAINE HYDROCHLORIDE is in lively demand at 7*s.* 6*d.* per oz., and is likely to go higher.

COD-LIVER OIL.—The London market is a little better as regards inquiry, without quotable change in prices, except that 90*s.* is the first quotation for the new oil in Norway that we have heard of. The same price c.i.f. for last season's oil is wanted. The demand has not been up to expectations; fair stocks are available, and might be realised for a little less money. Our Bergen correspondent, writing on January 11, reported: "There is no business on the oil-market. Quotation is nominally unaltered. The exports from Norway during 1914 amount to about 53,000 barrels, against 39,300 barrels in 1913. The prospects for the new cod-fishing are considered favourable."

A review of the Norwegian cod-fisheries in 1914 by Isdahl & Co. states that the following table shows the result of the Lofoten catch in 1914 compared with previous years:

1914	...	...	11.7 mill. fish	9,292	barrels oil
1913	...	...	9.0 ,,	4,707	,,
1912	...	...	15.0 ,,	10,295	,,
1911	...	...	10.0 ,,	6,558	,,
1910	...	...	13.7 ,,	11,491	,,
1909	...	...	16.7 ,,	17,206	,,

For Finmarken the figures are:

1914	...	...	23.5 mill. fish	12,340	barrels oil
1913	...	...	34.8 ,,	19,595	,,
1912	...	...	36.7 ,,	25,000	,,
1911	...	...	29.7 ,,	16,860	,,
1910	...	...	23.3 ,,	11,532	,,
1909	...	...	19.2 ,,	8,281	,,

The return of all Norwegian cod-fisheries is:

1914	...	...	81.5 mill. fish	49,285	barrels oil
1913	...	...	76.0 ,,	41,500	,,
1912	...	...	99.0 ,,	65,700	,,
1911	...	...	64.0 ,,	37,300	,,
1910	...	...	55.0 ,,	35,400	,,
1909	...	...	56.0 ,,	43,500	,,

The liver of the fish yielded in 1914 from 35 to 45 per cent. of oil, the same as in 1913. The year was marked by several fluctuations as regards the price of steam-refined oil. The market opened up around 85*s.* per barrel "c.i.f. London" in January, and fell gradually to about 64*s.* in April. The disappointing results of the Finmarken fishing were followed by a rise to about 75*s.* at the end of June. During the autumn 70*s.* was maintained, but on account of the considerable demand for industrial oils owing to the war the price in December advanced to about 96*s.* c.i.f. London. The total export for the year amounts to 58,083 barrels, against 40,000 barrels in 1913.

COPAIBA is offering more freely at 1*s.* 7*d.* per lb.

CORIANDER-SEED is dearer. Sales have been made at 11*s.* per cwt. for good Morocco on the spot, and it is difficult to buy now at that price.

CREAM OF TARTAR.—American is obtainable on the spot at 145*s.*, and French a little cheaper, but owing to increasing difficulties of transport the tendency is upwards. A good deal of the German-made article has been coming through Italy, and the uncertain situation there is also affecting the market.

CUMIN-SEED is much dearer, ordinary Morocco having been sold at 50*s.* and good at 55*s.* per cwt.

FENUGREEK-SEED is steady, at 9*s.* 6*d.* per cwt. for fair Morocco on the spot.

FORMALDEHYDE.—Scarcer. The United States is not sending so much now, but prices are unchanged.

GINGER.—Stocks of African are not large, and 2*s.* 6*d.* per cwt. is wanted for it.

IODIDES are going well, and the market is in a good position, makers being busy. Business in Japanese potassium iodide has been done at 12*s.* per lb. c.i.f. London. American is also obtainable at about the same figure, and it is believed that the supplies are ample for consumptive demand.

LEMON-JUICE.—Sicilian of new season to arrive is offered at 1*s.* 4*d.* on the usual basis.

LEMON OIL.—Writing on January 9, a Palermo correspondent states that the market there was much stronger then, and prices had advanced.

LEMON-PEEL.—New season's English cutting is offered at 1*s.* 5*d.* per lb.

LIME-JUICE.—For fair pale quality 2*s.* 9*d.* is the price.

LINSEED is dearer, at 52*s.* 6*d.* per quarter for Morocco, and at 55*s.* to 57*s.* 6*d.* for fine clean quality.

LIQUORICE-ROOT.—Common natural is scarce on the spot, and 17*s.* per cwt. is the lowest price.

MENTHOL.—Dearer and scarcer. Business has been done in Kobayashi at 11*s.* 6*d.* per lb. spot, and in Suzuki at 11*s.* Cabled prices for January-March shipment are 11*s.* 9*d.* c.i.f.

MERCURY.—The first-hand price of quicksilver was maintained at 11*l.* 12*s.* 6*d.* per bottle until Wednesday, when this was withdrawn, the expectation being that the price would go up shortly. Second-hands now quote 11*l.* 10*s.*

MINT OIL.—The c.i.f. price for dementholised Japanese is 2*s.* 11*d.* per lb., and on the spot 3*s.* 6*d.*

OPIUM.—We note that the bulk of recent imports has been Indian opium, which can be used at a pinch for alkaloids, but the yield of morphine is small compared with the Turkey and Persian, and the cost of production greater, so that in the event of this kind being used for alkaloids the price of the latter will not be lower. The opium-market is easier this week, however, as quantities of Turkey opium which had been shipped before the war to neutral countries, such as Greece and Italy, are now coming forward to this country, the consequence being that the upward tendency which still prevailed last week has been checked.

ORANGE-PEEL.—New season's English cutting is quoted at 1*s.* 4*d.* per lb.

OXALIC ACID.—The London price is 8¼*d.* per lb.

PEPPERMINT OIL.—American is very scarce on the spot, 7*s.* to 7*s.* 3*d.* per lb. now being asked, and for shipment 6*s.* 6*d.* net c.i.f. Spot H.G.H. is 12*s.*

An American advice of recent date states that on that market many houses who are interested as distributors are inclined to stock quite heavily at these extreme low prices, so that before the end of the year we expect to see the stock disappear from sight. The low price which prevailed at the beginning of the year was a healthy stimulant to the increased consumption of the article, and as export business has been heavy there is quite likely to be a larger amount shipped abroad this year than either last year or in 1913, notwithstanding the early interruption of business by war. Consumers would, therefore, do well to cover their requirements.

PHENACETIN is difficult to get, stocks abroad being limited. In consequence the price has advanced to 7*s.* per lb.

POTASH BICHROMATE has been reduced by the makers to 6*d.* per lb. for home consumption. This seems to have been done to meet American competition. Export prices are on a parity. The price of the sodium salt remains at 3¼*d.* f.o.b.

POTASSIUM CHLORATE.—The spot price is firm at 1*s.* 3*d.* per lb., and it is difficult to get in any quantity, shipments being slow.

POTASSIUM PERMANGANATE.—Small lots are coming in through neutral countries, and are offered at prices up to 120*s.* per cwt.

QUININE.—A firm market, 1*s.* 2*d.* to 1*s.* 3*d.* now being wanted for Continental sulphate. Export orders for large quantities of hydrochloride for immediate delivery have been on the market, with the result that 1*s.* 7*d.* to 1*s.* 7½*d.* per oz. is wanted for this. There is no change in the official quotations, and only very old sulphate is obtainable at lower quotations than the above. The statistical situation makes the position strong, there being only, it is estimated, six weeks' supply of bark in Holland, and in view of the situation in the Near East shipments of bark from Java cannot be certain of an uninterrupted passage through the Suez Canal.

SALICYLIC ACID and SALICYLATES are now very scarce on this market. The demand has been large this week, and holders of the little there is to be got want more money for it. It is reported that 6*s.* was paid for the acid yesterday, and 6*s.* 3*d.* is the lowest price for the sodium salt in first-hands. Recently much of the supply has come *via* the United States, and we learn that stocks there are almost exhausted. The demand here is growing consequent upon the prevalence of rheumatism in the Army, and so far the salicylic treatment predominates. There is still a considerable amount of the acid available in France, but phenol is needed there, and it should be possible by friendly negotiation between the commercial representatives of the Allies to effect an exchange which would please both parties, and secure for us a much-needed curative-agent. It would be wrong to say, however, that we are in, or are approaching, famine conditions, such as are reflected by an offer of sodium salicylate at 7*s.* 3*d.* per lb., which is believed not to be justified by the outlook.

SASSAFRAS OIL.—There is more inquiry for genuine American, and the prices asked are from 3*s.* 3*d.* to 3*s.* 6*d.* per lb.

SENEGA.—Steady, at 1*s.* 9*d.* per lb.

SENNA.—There has been good inquiry this week, but beyond a few bales at extreme prices nothing is obtainable, and buyers are anxiously waiting a further sale.

SOY.—The market has improved, and 1*s.* 8*d.* is now asked for the "Owl" brand.

STAVESACRE-SEED are entirely wanting on the spot.

VANILLIN is difficult to get from the Continent, and for crystals guaranteed made from clove oil 22*s.* 6*d.* per lb. has been paid. Higher prices are imminent. The guaiacol variety is quoted at about 21*s.*

WAX (JAMAICA).—Further sales have been made at last week's auction-price—8*l.* 10*s.* per ton.

WAX (JAPAN).—Sales have taken place at 45*s.* per cwt. c.i.f. January-March shipment.

Heavy-chemical Markets.

So far as heavy chemicals are concerned, the outlook continues good, and full rates are quoted in all departments. As stated last week, makers of bleaching-powder hold small stocks, although officially prices are unchanged. Caustic soda is very firm, and makers are reported as sold out for high strengths. In other respects there is little or no change. Sulphate of copper continues in request, though there is no particular change to record in the raw metal. Current quotations are 24*l.* 2*s.* 6*d.* to 24*l.* 7*s.* 6*d.* for ton prompt delivery, and 24*l.* 12*s.* 6*d.* February-April, delivered Manchester. White powdered arsenic unchanged at £20*l.* 10*s.* to 20*l.* per ton delivered here. Cream of tartar shows little change, but citric acid is about ½*d.* per lb. higher. Permanganate of potash rather lower at 120*s.* Chlorate of potash in sellers' favour at 1*s.* 4*d.* per lb., but soda firmer at 8*d.* to 8½*d.* Sulphur quiet for refined at late prices. Sulphate of ammonia has had a sharp advance in deliveries of 5*s.* to 10*s.* per ton. Carbolic acid easier, at 1*s.* 2*d.* to 1*s.* 3*d.* for 39° to 40° crystals: crude unchanged. Cresols higher, at 1*s.* 3*d.* to 1*s.* 4*d.* for 50-per-cent., and pure nineties 8½*d.*, Northern delivery, naked.

Continental Drug and Chemical Markets.

The following is a continuation of the report in the *C. & D.*, January 16, p. 57, as to the condition of and prices ruling in Berlin and Hamburg first-hands up to January 3: ACETONE is required in enormous quantities by the War Council, but is obtainable still on the market, though the prices are very high—viz., from m.155 to m.165 per 100 kilos. for 56 to 58 per cent. acetone.

AMMONIA.—The Westphalian Ammonia Syndicate states that until March it can only furnish 50 per cent. of the quantities for which contracts have been made.

ANISE OIL (STAR) remains slow of sale, and is offered at m.15 per kilo.

ANTIMONY.—There is an enormous demand for this article, and the maximum price of m.60 is readily paid, but the stuff cannot be supplied. Regulus is in less active demand.

BALSAM OF TOLU.—Business is dull at m.7.50 per kilo.

CAMPHOR is easier at m.6.75 per kilo. for refined Japanese in "2½-lb. slabs."

CASSIA OIL.—The stocks are nearly exhausted. Prices: 75 to 80 per cent., m.9 per kilo., and 80 to 85 per cent., m.10.

CASTOR OIL is easier, as renewed offers have come through neutral countries. Second-pressing can now be obtained at m.180, and first-pressing at m.225.

COCONUT OIL is very scarce; Cochin, m.160.

COTTONSEED OIL is scarce at m.100.

EUCALYPTUS OIL.—The demand has decreased, and stocks are small; m.4.20 per kilo. is wanted.

FIR-NEEDLE OIL is in active demand. The stocks of Siberian oil have so much decreased that m.225 per 100 kilos. has already been paid.

GLYCERIN.—Business in this article is prohibited unless under permit of the War Council.

IPECACUANHA.—Rio and Cartagena root are steady, with a tendency to become dearer.

LEAD-SALTS have repeatedly advanced in price during December. Present prices are from m.63 to m.64 per 100 kilos. for lead oxide, and from m.62 to m.63 for red lead.

LINSEED OIL.—Dutch is dearer at m.90.50, Swedish at m.88 to m.88.5, and German at m.96.

MENTHOL.—Dearer owing to active demand, the price of the best being m.30 per kilo.

PALM-KERNEL OIL in second-hands is m.145. Lagos palm oil is very scarce at m.122.

PETIT-GRAIN OIL.—Paraguayan is obtainable in limited quantity at m.26.

POTASSIUM CHLORATE is sarce and very dear.

QUILLAIA-BARK.—Whole is unobtainable, and the demand is very active. Cut bark is now m.112.50 to m.115 per 100 kilos.

SANDARAC is obtainable in small quantities only at m.190 to m.200 for fair.

SENEGA.—Owing to the releasing of stocks the price has declined to m.9 per kilo.

SHELLAC.—Business remains dull. TN being offered at m.190, A. C. Garnet m.200, and GAL at m.195 per 100 kilos.

SUMBUL is in active demand, and m.170 to m.175 per 100 kilos. is wanted for it.

The Kauri-gum Industry.

A Bill amending the law in regard to the kauri-gum industry in New Zealand was presented to the House of Representatives on October 26, 1914, by Mr. Massey (Prime Minister), and passed through all stages (see *C. & D.*, January 2, p. 41). In moving the second reading, Mr. Massey stated that soon after the war broke out the bottom dropped out of the gum-industry, and prices fell to zero, gum becoming almost unsaleable in price. The result was that several thousands of men, who were employed in the industry all the year round, were threatened to be added to the number of the unemployed. The Government asked Parliament for 50,000*l.* to make advances on gum to the extent of not more than 50 per cent. of its value, but he thought that 35 per cent. would be sufficient. The kauri would be taken possession of by Government representatives, insured, and stored till the market improved. Hitherto a large proportion of gum kauri had been exported to Germany for varnish-manufacture and in the production of linoleum. The demand from Great Britain had fallen off, but the United States was still keeping up its demand. Mr. Massey added that the Government not only intended to advance on the gum, but also to put in hand the working of gum-bearing land on their own account. There are large areas of Crown land north of Auckland where there are gum-deposits, and the Government proposed to put on a number of men and work some of this land on what is called a "face"—*i.e.*, it would be turned over perhaps to the depth of 10 ft. The officer in charge of the gum-industry stated that he had no doubt that more than sufficient value would be realised from the gum procured in this way to pay the men the current rate of wages—8*s.* or 9*s.* per day. Sir J. G. Ward, Leader of the Opposition, supported the Bill, as did other members. It was stated in the course of the debate that the value of the gum exported is not less than 500,000*l.* per annum, this being the average for the last thirty years. In Committee, on the motion of the Prime Minister, a sub-clause was added to Clause 2 to the effect that, "in estimating the value of any gum for the purposes of this section, the Minister may adopt the prices for gum of the same quality current in New Zealand on July 1, 1914."

Arrivals of Chemicals and Drugs.

The following is a list of goods which arrived in the principal ports of England during the week which ended on Tuesday, January 19, besides a number of items for the previous week which we could not find room for in our issue of January 16. Goods in transit are not included. The figures denote packages where not specifically described:

Acetate of lime (Boston) bgs. 6,408
Acetic acid (Rotterdam) cs. 6, (Gothenburg) dmjns. 112
Acetone (Philadelphia) drms. 87, (New York) drms. 9
Acetone oil (Philadelphia) drms. 176
Albumen (Havre) 7, (Shanghai) cks. 50
Alcohol (Buenos Ayres) drms. 101, (St. John) drm. 1, (Rotterdam) cks. 13, cs. 202, (Havre) ck. 1, (Newport) drms. 55
Alcohol, wood (Philadelphia) drms. 146
Almonds (Las Palmas) bgs. 188, cs. 100, (Catania) bgs. 50, (Bari) bls. 200, (Oporto) bgs. 85, (Alicante) bxs. 925, bls. 60, (Syracuse) cs. 1, (Valencia) bgs. 200, (Marseilles) bgs. 200, (Teneriffe) sks. 21
Alum (Boston) brls. 160
Aniline dyes, colours, etc. (Rotterdam) cs. 6
Aniseed oil (Hong-Kong) cs. 175
Arachis oil (Rotterdam) cks. 28, cs. 36
Argol (Cape Town) bgs. 42, (Barcelona) brls. 114, cks. 91, (Messina) cks. 46, (Piræus) bgs. 300
Arsenic (Havre) cks. 34
Baking-powder (New York) 140
Barium carbonate (Amsterdam) cks. 3, (Marseilles) bgs. 100
Barium chloride (Copenhagen) bgs. 50
Barium peroxide (Marseilles) cks. 2
Barium sulphate (Barcelona) bgs. 500
Benzine (Arol Bay) g. 1,325,300
Boric acid (Leghorn) brls. 86
Calcium phosphate (Boston) cs. 20
Camphor (Keelung) cs. 970
Canary-seed (Patras) bgs. 398
Cantharides (Shanghai) cs. 40, (Hong-Kong) cs. 40
Caraway-seed (Harlingen) bgs. 45, (Rotterdam) bgs. 120
Carbon black (Philadelphia) cs. 100
Carbon tetrachloride (Marseilles) cks. 85
Cardamoms (Colombo) cs. 153, 16, (Bombay) cs. 14
Casein (La Pallice) bgs. 110
Cashew-nuts (Mangalore) cs. 156, (Bombay) cs. 120
Cassia (Kobe) bgs. 80
Cassia oil, cs. 10
Castor-oil seeds (Bombay) bgs. 1,641, (Teneriffe) sks. 7
Catgut (Carthagena) cs. 1
Chalk (Leghorn) cs. 8
Chemical products (New York) 116, (Marseilles) 51, (Rotterdam) cks. 190, bgs. 272, (Dieppe) 32, (Barcelona) brls. 91, (New York) brls. 108, (Kobe) cs. 10, (Honfleur) cs. 5, (Dunkirk) cks. 140
Chrome alum (Rotterdam) cks. 26, (Christiania) cks. 41
Cinchona-bark (Calicut) bls. 154
Cinnamon (Colombo) bls. 105, bgs. 10, 340, (Tellicherry) 40
Cinnamon-chips (Colombo) bgs. 850
Citric acid (Genoa) brls. 30, (Palermo) cks. 104
Citronella oil (Galle) drms. 27
Cloves (Penang) cs. 20, (Marseilles) bls. 1,800
Clove-stems (Marseilles) 78
Cocaine (Amsterdam) cs. 5
Coconut oil (Colombo) 781, (Cochin) pps. 203, hds. 38, (Galle) cks. 190, (Amsterdam) cs. 165
Cod-liver oil (Bergen) cs. 30, (Labrador) cks. 20, (St. John's) cks. 128
Cotton-seed (Alexandria) tons 5,626, (Bombay) 9,101, bgs. 14,496
Cotton-seed oil (Brunswick) brls. 590, (New York) brls. 3,268, (Baltimore) brls. 100, (Norfolk) brls. 4,720, (Newport) brls. 450
Cotton-seed soap (Norfolk) brls. 2,050, (Newport) brls. 500
Cotton wadding (Amsterdam) bls. 70
Cream of tartar (Marseilles) cks. 15, (Bordeaux) cks. 61, (Palermo) cks. 24, (Patras) brls. 40
Cresolene (New York) bxs. 114
Cryolite (Copenhagen) bgs. 200, cks. 38
Dextrin (Rotterdam) bgs. 80, (Amsterdam) bgs. 48
Divi-divi (Curaçao) bgs. 636
Drugs (Calais) 10, (Dieppe) 9, (Bordeaux) bls. 9, (Honfleur) cs. 16, (New York) bls. 116
Dyes (Bordeaux) 146, (Amsterdam) cks. 27
Dyewood extract (Philadelphia) 275, (New York) brls. 110
Ergot (Bilbao) bgs. 16
Essential oils (Genoa) cs. 14, (Rotterdam) bskts. 7, (Syracuse) cs. 308, (Hong-Kong) cs. 40, (Marseilles) cs. 5
Ether (New York) cs. 13
Eucalyptus oil (Melbourne) cs. 224
Farina (Rotterdam) bgs. 100, cs. 5,832, (Amsterdam) bgs. 275, (Harlingen) bgs. 20
Fennel-seed (Marseilles) bgs. 51
Ferro-chrome (Dieppe) cks. 78, (Rouen) cks. 190
Fish oil (Yokohama) cs. 1,000, brls. 200
Formaldehyde (Philadelphia) brls. 75
Formic acid (Rotterdam) bns. 300
Fuller's earth (Yokohama) bgs. 700
Fusel oil (Rotterdam) cks. 17
Gallic acid (Portland) brls. 3
Galls (Kobe) cs. 100, (Shanghai) cs. 100
Gambier (Singapore) bgs. 1,127, cs. 1,901, (Vancouver) cs. 170
Geranium essence (Marseilles) cks. 6
Ginger (Shanghai) bxs. 7, (Hong-Kong) cs. 1,070, cks. 450, (Calicut) bls. 52, (Bombay) 595
Glycerin (Buenos Ayres) drms. 31, (Barcelona) drms. 34
Glucose (Rotterdam) cs. 60, (New York) brls. 540
Glue (Jersey) brls. 50, (Boulogne) 203, (Bordeaux) cs. 10, (St. Nazaire) bls. 50, (Christiania) bgs. 40, (Rotterdam) bgs. 340, cks. 6, (Leghorn) bls. 33, (Rockhampton) bls. 130, (Marseilles) bls. 85, (Rouen) bgs. 500
Ground nuts (Hong-Kong) bgs. 560, (Marseilles) bgs. 200
Gum Benjamin (Singapore) cs. 314
Gum damar (Singapore) bgs. 907
Gums (Calcutta) 1,230, (Bombay) bgs. 92, (Bordeaux) cs. 6, (Marseilles) cs. 10
Honey (New York) cks. 3
Hydrolene (New York) drms. 82
Indigo (Alexandria) cs. 20, (Calcutta) cs. 34, 47, (Bombay) cs. 72, chts. 59, (New York) 78
Ipecacuanha (Port Swettenham) bgs. 40
Lac, garnet (Calcutta) chts. 100
Lead acetate (Rotterdam) cks. 50
Lead, white (Philadelphia) brls. 63, (New York) brls. 40, cks. 84, (Rotterdam) cks. 187
Lemon-grass oil (Cochin) drms. 21, cs. 38
Lime carbide (Fredrikstad) drms. 230, (Drammen) cs. 880, (Gothenburg) drms. 735, (Skien) drs. 470
Lime-juice (New York) pns. 4, (Kingston) 19
Lime phosphate (Sfax) tons 2,300
Lime tartrate (Piræus) bgs. 300
Linseed (Calcutta) bgs. 32,143, (Ramallo) bgs. 21,846, (Buenos Ayres) bgs. 9,964, (Bombay) bgs. 46,453, (Archangel) bgs. 1,437, (Rosario) bgs. 9,371
Liquorice-juice (Marseilles) cs. 74, (Naples) cs. 133, (Bordeaux) cks. 33
Liquorice-root (Marseilles) cs. 12
Lithopone (Rotterdam) cks. 328
Magnes. chlor. (Rotterdam) cks. 52
Magnesia (Copenhagen) 118
Magnesite (Rotterdam) bgs. 225
Medicines (Havre) cs. 36, (Boston) cs. 106, (New York) cs 200
Menthol (Tokyo) cs. 20
Mercury salts (Genoa) cs. 15
Milk-sugar (Genoa) cs. 100
Mineral waters (Havre) cs. 20, (Treport) cs. 670, (Marseilles) cs. 4,478, 1,405, (Rotterdam) cs. 700, (Bordeaux) cs. 59, (Honfleur) cs. 44
Mineral white (Bergen) cs. 320, (Bordeaux) bgs. 400, (New York) crts. 34
Minium (Havre) cks. 40
Mint oil (New York) cs. 37, (Tokyo) cs. 20
Mowra-seed (Bombay) 3,045
Myrabolans (Calcutta) pkts. 3,500, (Bombay) bgs. 6,484
Nutmegs (Singapore) cs. 100
Nut oil (Bordeaux) cks. 112
Oil mineral, refined (Salime) gals. 313,054
Oil, seed (Marseilles) cks. 92
Oils 16,374, various kinds (unnamed) from different ports
Olibanum (Bombay) cs. 50
Olive oil (Genoa) brls. 33, cs. 1, (Tarragona) brls. 34, (Corfu) cks. 42, (Piræus) brls. 610, (Bari) pps. 6, (Patras) brls. 164
Opium (Calcutta) chts. 70, (Marseilles) cs. 9, (Bombay) cs. 132, (Patras) cs. 110, (Hong-Kong) chts. 53
Orris-root (Leghorn) brls. 46
Oxalic acid (Fredrikstad) cks. 100
Palm oil (W.C. Africa) cks. 3,494, (Las Palmas) cks. 120
Papain (Colombo) 13
Paraffin-scale (New York) brls. 1,136
Paraffin-wax (Calcutta) bgs. 688
Pepper (Singapore) bgs. 7,815, (Penang) bgs. 88, (Alexandria) bgs. 161, (Colombo) bgs. 25
Pepper, white (Singapore) bgs. 1,004, (Malta) bgs. 11, brl. 1
Peptone (New York) cs. 40
Perfumed spirits (Boulogne) cs. 24
Perfumery (Boulogne) 36, (Dieppe) 21, (Calais) 7, (Jersey) cs. 2, (Bordeaux) cs. 8
Pharmaceutical goods (Dieppe) cs. 6
Pimento (New York) bgs. 404, (Christiania) cks. 52, drms. 50
Pistachio-nuts (Marseilles) cs. 10
Potash carb. (Rotterdam) cks. 135, (Amsterdam) cs. 200
Potash caustic (Gothenburg) cks. 4
Potash iodide (Kobe) cs. 5
Potash prussiate (Gothenburg) brls. 15, (Rotterdam) cks. 8
Potash salts, various (Genoa) brls. 300, (Gothenburg) cs. 8
Pumice-stone (Lipari) 4,270
Quebracho extract (Buenos Ayres) bgs. 10,000
Quinine (Rotterdam) cs. 20, (Amsterdam) cs. 25
Rape-seed (Karachi) bgs. 4,564
Rape-seed oil (Kobe) cs. 4,000, (Tokyo) cs. 1,250
Rhubarb (Shanghai) cs. 23
Rosin (Gothenburg) cks. 105, (Bordeaux) cks. 1,687
Saccharin (Rotterdam) 20
Saltpetre (Calcutta) bgs. 5,784, (Bombay) bgs. 924, (Genoa) cks. 19, (New York) bls. 9
Salts, various (Rotterdam) bgs. 350
Scientific instruments (Calais) 5, parts of (Calais) 5
Senna (Marseilles) 32, (Suez) 30
Shellac (Calcutta) chts. 1,345
Soap (Philadlpehia) bxs. 2,000, cs. 54, (Genoa) cs. 20, (Havre) cs. 150, (Boston) cs. 10, (New York) cs. 262, (Marseilles) cs. 445, (Calais) 1
Soap-powder (Boston) cs. 50, (New York) bxs. 870
Soda (Leghorn) cks. 2
Sodium bisulphate (New York) brls. 21
Sodium metal (Genoa) cs. 225
Sodium nitrate (Christiania) bgs. 3,300, cks. 194
Sodium nitrite (Rouen) cs. 34
Soy (Hong-Kong) cks. 300
Soya-bean oil (Kobe) cs. 3,000
Soya-beans (Dalny) bgs. 64,792
Sperm oil (Natal) drms. 200
Spermaceti (Natal) dms. 30
Stearine (Rotterdam) 17
Stick lac (Singapore) cs. 7, (Calcutta) bgs. 41
Sulphur (Catania) bgs. 200, (Palermo) bgs. 900
Sulphuric acid (New York) drms. 35, cs. 34
Superphosphate (Rotterdam) bgs. 1,120
Talc (Genoa) bgs. 150
Tamarinds (Calcutta) cks. 50
Tannic acid (Portland) brls. 40
Tanning extract (Genoa) cs. 100, (Bordeaux) cks. 713
Tartar (Marseilles) bgs. 263, (Barcelona) brls. 98
Tartar emetic (Copenhagen) cks. 8
Tartaric acid (Genoa) brls. 20, (Bari) brls. 310, (Marseilles) cks. 3, cs. 40
Tumeric (Bombay) bgs. 599
Turpentine (Bordeaux) cks. 50
Ultramarine (Rotterdam) cs. 1
Vanilla (Marseilles) cs. 60
Wattle-bark (Natal) bgs. 1,83
Wax, bees' (Calcutta) 17, (Shanghai) cs. 20, (New York) brls. 1,377, bgs. 15, (Marseilles) 103, (Kobe) cs. 50, (Bahia) bgs. 83, (W.C. Africa) bxs. 6, (Amsterdam) bgs. 10, (Osaka) bls. 25
Wax, vegetable (Moji) cs. 12, (Kobe) cs. 425
Witch-hazel (New York) brls. 5
Wood-wool (Rotterdam) bls. 40
Zinc oxide (New York) brls. 1,150, (Rotterdam) cks. 2, (Marseilles) cks. 160

SULPHUR MAY BE ESTIMATED IN RUBBER, according to M. R. Gaunt, by burning in dry oxygen and passing the products of combustion through hydrogen peroxide, the sulphuric acid formed being estimated either gravimetrically or volumetrically.

Correspondence

Memoranda for Correspondents.

Communications should be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with.

Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed, even when the writers use a "nom de plume."

Complete and systematic indexes of the "C. & D." are presented with the last issues in June and December each year. Every subject dealt with week by week is included, and correspondents are advised to refer to these and the "C. & D. Diary" before asking the Editor for information, so as to save time.

Are Doctors or Chemists More Addicted to Drug-taking?

SIR,—Lectures by Dr. Armstrong Jones on the prevalence of the drug-habit as a cause of insanity are now appearing in the medical papers. My observation has always been that, although chemists have naturally a greater variety of drugs always at hand, they are by no means so addicted to the habit as doctors. Most of the chemists who do yield to the drug-craving have been medical students. Is mine the usual experience?

Yours truly,
Dublin. J. C. MCWALTER.

Exacerbation.

SIR,—I hand you herewith a letter received from the Sanatogen Co. by a client of mine; also a letter I have addressed to the said company in consequence of that letter. You will note that their epistle starts off by saying that the Editor of the "Medical Times" recently paid a visit to their factory. Perhaps the Sanatogen Co. will kindly say what date that visit was paid? Failing a reply, we shall be rather inclined to think that it must have been some time before this deplorable war started, although the letter suggests a more recent date.

Yours faithfully,
Winchmore Hill. J. H. P. BOLTON.

[Mr. Bolton, in his letter to the Sanatogen Co., calls their attention to Mr. J. G. Denton's letter in our issue of January 16. The letter from the company was to a user of Sanatogen.—EDITOR *C. & D.*]

The "Aspirin" Trade-marks.

Mr. Irving A. Keene, of the Keene Co., has addressed a letter to the Comptroller-General of Patents and Trade-marks in regard to the hearing by him on January 14 as to the trade-mark "Aspirin" No. 322,523, reported in the *C. & D.*, January 16. Mr. Keene states that his company did not send to the Board of Trade a letter which would have obviated last week's hearing, but we understand that the Comptroller had in mind the original letter from the Keene Co. as applicants for the avoidance of the "Aspirin" trade-mark No. 221,673. The company have informed the Comptroller that they would very much have liked to have been notified that the proceedings were to take place, as it would have enabled their legal representatives to answer the arguments of the Bayer Co. Consequently these are embodied in the letter, and will no doubt be considered by the Board of Trade. Apart from that, the letter explains that:

"The Keene Co. is composed of two partners, Irving Keene and Alfred Keene, American citizens. At the outbreak of hostilities Mr. Irving Keene volunteered his services for the surgical corps of the British Red Cross Society. Mr. Alfred Keene is at the present time serving as *aide-de-camp* to Major Brochard, of the French Red Cross Society. Both gentlemen have spent most of the last twenty years in Great Britain. They have paid full income-tax every year, and the Keene Co. has paid about 1,000*l.* to the British Government for medicine-stamps alone. We have never engaged other than British employés. Thus we establish the *prima-facie* fact that we are staunch 'Yankee-Britishers,' and we feel that we are fully justified in assuming the commercial status of the average British merchant, and are entitled to all of his privileges, commercially."

"The Outlook."

SIR,—As an expert in the art of bookkeeping Jay Mack has few rivals. Through the courtesy of my friend "X. Y. Z." I have had an opportunity of inspecting Mr. Mack's system, and his cash-book and private ledger, including example pages and instructions to be adopted in keeping the books. The system may be recommended safely to any business person really anxious to know how he stands. On other matters Mr. Mack is not so happy in making his meaning clear. The *C. & D.* card and *Diary* have removed all chances of trouble in regard to the B.P. 1914. I notice that at a meeting held in the North of England quite recently the questions of dearth of apprentices and girl labour were mentioned in one breath. Surely no one wants to interfere with shops whose chief business consists of sales of Christmas cards, simple drugs, herbs, pots and pans, hooks and eyes, matches, and all domestic requisites of that nature. Let the girls see to all that. It is their right. Apprenticeship to any craft is on quite a different footing. Fancy telling such a fantastic tale to the father of a boy that utility, not culture, should be the dominant feature in a youngster who aspires to a career! Jay Mack appears to require a chap who can work; one who can clean and dress windows, polish the boots of the "Missus," a kid who raises no questions, one who is not interested in the musty old tale of Julius Cæsar. Just a fellow who is bound: a really useful all-round maid-of-all-work. The bewildered son of the local tradesman cannot see why he should become a vendor of tripe; and when he sees his fellow-slave behind the counter venturing to sell a pennyworth of tincture of opium, while the eyes of the utilitarian Registrar of the Pharmaceutical Society happen to be east in the direction of the next street, his employer calls such an action tricky and smart. My rambles throughout England, Wales, the Isle of Man, the Scilly Isles, and the Isle of Dogs have taught me that those who make all the fuss, and who indulge in all the bluster, are those, precisely, who do not handle sixpennyworth of strychnine in a year, except by process of subterfuge and methods which are described usually as "on the nod." I, for one, would wish to know if Jay Mack is entitled, by legal right, to dispense any National Health Insurance prescription containing a scheduled poison. I find it difficult to understand whether he belongs to one camp or to the rival across the way.

Yours, etc.,
G. E. OLIVER.

Chemists and Income-tax.

SIR,—As many chemists have been adversely affected by the war, we should like to draw the attention of your readers to the concession which was granted by the Chancellor a short while ago. Where the profits for the present year have fallen below the average of the previous three years, a taxpayer has the right to bring into the average the profit for this year in place of that for the first of the three years already taken into average. An example will perhaps more clearly illustrate this: Let us suppose a taxpayer's profits for the years 1911, 1912, and 1913 have been 1,500*l.*, 1,200*l.*, and 1,500*l.* respectively, then the assessment levied upon him for 1914-15 would be upon the average of these three amounts—viz., 1,400*l.* But if this taxpayer could prove that his profits had dropped to, say, 300*l.* for 1914, then he would be entitled to take the average of the three years 1912, 1913, and 1914, and in this particular case they would be 1,000*l.*, so that a saving of tax would be effected upon 400*l.*, which at the high rate at present in force would mean a considerable amount.

Yours faithfully,
THE INCOME-TAX RECLAMATION ASSOCIATION, LTD.
62 and 63 Queen Street, E.C.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

A North London Conversation.

H. J. A. (232/11) had the following conversation with a customer one day last week:

Lady Customer: "Threepennyworth of laudanum and threepennyworth of paregoric, please."

Chemist: "What is it for?"

L.C.: "To put in toffee."

C.: "How much toffee are you going to make?"

L.C.: "I'm going to use a pound of sugar."

C.: "Goodness alive! Do you want it for killing mice?"

L.C.: "No, of course not. It is very good for coughs, I am told."

C.: "You are very likely to kill your patients with toffee of this kind."

Ink-eraser.

"Can any of your readers tell me of two solutions which will immediately remove an ink-stain which will not afterwards become rotten from washing? It has been suggested to me that the first may be oxalic acid, and the second an alkaline solution to counteract the effect. The original experiment has come from New York, one of the professors in chemistry having demonstrated it in a medical college by writing on a piece of paper and immediately removing by this method."—*M. E. Hanna.*

[A weak solution of oxalic acid in one bottle and a weak solution of chlorinated soda in the other are all that is necessary. Two ½-oz. bottles of these in a case are commonly sold for a shilling. The ink-marks are moistened with one, then with the other, and blotted. In the case of fabrics the spot should be soaked in water after the stain disappears. Perhaps subscribers can add to this suggestion.—EDITOR *C. & D.*]

Fox's Lungs.

"Can you inform me what 'Fox's Lungs' is? It is to be mixed with tr. camph. co. and syr. scillæ for cough-troubles. I am given to understand that it is used in Cambridgeshire."—*H. Sidebotham.*

["Pharmaceutical Formulas" saves time in such matters as this. We subjoin an extract from p. 780:

Syrup of Fox's Lungs.—A very old preparation, no longer made from fox's lungs. Syrupus rhœados is generally given nowadays, but there are diversions from this rule. Thus, in some places syrup of tolu is given, in others syrup of squill, and even simple syrup coloured with liquorice. The syrup is used for the treatment of coughs, generally along with paregoric elixir. In Norwich the following mixture is given:

Liquorice	ʒiiss.
Dissolve in—	
Water	Oiiiss.
Add—	
Sugar	lb. viij.

Dissolve by heating, strain through flannel, and add—

Ipecacuanha-wine	ʒiv.

Dispensing Difficulties and Notes.

Readers are advised to consult "The Art of Dispensing" in regard to compounding difficulties. We welcome fresh problems and invite the co-operation and correspondence of dispensers in their elucidation.

A Menthol Difficulty.

SIR,—Please inform me how to prepare the following so that the menthol will not be thrown out:

Cocain. hydrochlor.		gr. v.
Acid. carbolic.,		
Menthol.	aa.	gr. v.
Glycerin. ad		ʒj.

I dissolved the cocain. hyd. in the glycerin, adding the acid. carbol. and menthol previously liquefied by shaking together, and I find that after standing for a day or so the menthol floats on top. When freshly prepared the mixture was quite clear.—Yours faithfully,

S. P. (227/24.)

[This prescription cannot be compounded so that the menthol will not be thrown out, unless by the addition of a solvent of menthol—rectified spirit, for example, and for a throat-paint, which we assume this is, it is undesirable to dilute glycerin. A very nice paint, however, can be prepared in the following way: Place the cocaine hydrochloride, carbolic acid (using dry crystals), and menthol in a mortar and triturate together till liquefaction occurs; then add the glycerin gradually, continuing the trituration while it is being poured in. The menthol is so finely divided that it diffuses perfectly in the glycerin, and remains suspended for a considerable time. It will ultimately rise to the top, but a shake will diffuse it perfectly again.]

Miscellaneous Inquiries.

W. H. (226/19).—(1) PEROXIDE DENTIFRICE.—There are other peroxides than that of magnesium; calcium perborate is also employed. You do not, however, give any hint as to why you ask the question, so that we are precluded from giving a useful answer. (2) The solid laxative preparations containing paraffin are not necessarily made with liquid paraffin. Vaseline mixed with sugar, tinted and flavoured, makes a good preparation of this class.

G. W. (214/34).—(1) LACHNANTHES HERB SEEDS.—Try Lloyd Bros., pharmacists, Cincinnati, Ohio, or the Bureau of Plant Industry, Washington, U.S.A. (2) DUGONG OIL has occasionally for half a century been paraded as a substitute for cod-liver oil. It is obtained from two species of *Halicore*, *H. australis*, Owen, and *H. dugong*, Illig, cetaceous animals inhabiting the rivers and bays of Northern and Eastern Australia and many of the East India islands. Their flesh is said to be delicate and palatable, and valued for food. The oil is obtained by boiling the superficial fat. It is bland and sweet, and free from disagreeable taste and odour. It is said to be of special service as a fattener when rubbed over the body, and is also taken internally.

Australia (225/74).—Many aniline colours are susceptible to light, and are also acted upon by the alkaline salts of the bath-powder. More permanent results would result from the use of indigo solution for violet and cochineal for pink. The cost, however, would probably work out disadvantageously.

R. M. C. (227/3).—If you make the cough-mixture alkaline with ammonia, the trouble due to the liquorice extract depositing will be overcome. The oxymel of squills will require to be replaced by a non-acid syrup.

F. R. (234/31).—(1) Le Bosquet's "French for Pharmacists" is published by the Twentieth Century Press, Ltd., at 2*s*. Any bookseller would be able to obtain it for you. (2) Crinon's "Revue des Médicaments Nouveaux" is published by Vigot Frères, Paris, at 4f. It is not, however, bound in red, as you seem to imply, but in brown. A similar work, Bocquillon-Limousin's "Formulaire des Médicaments Nouveaux," is published by Baillière et Fils, Paris.

R. M. T. (234/30).—BOOKS ON RADIOGRAPHY.—See *C. & D.*, January 9, p. 60.

Victory (234/32).—MANUFACTURE OF SALICYLATES.—See *C. & D.*, August 22, 1914, p. 37. Books on chemical-plant—not, however, specially referring to salicylates—are Hinchley's "Chemical Engineering" (2*s*. 6*d*., Churchill), dealing chiefly with grinding, sifting, and transporting; Dyson and Clarkson's "Chemical-works: Their Design, Erection, and Equipment" (21*s*., Scott, Greenwood); Davis's "Handbook of Chemical Engineering" (42*s*., Davis Bros., Manchester).

Nonpareil (234/56).—BALLROOM FLOOR-POLISH:

Powdered boric acid	6 parts
Powdered hard paraffin ...	1 part
Lavender oil	a sufficiency

J. S. (233/19).—(1) COMPLEXION-WAX.—See *C. & D.*, August 8, 1914, p. 63. (2) SOLIDIFIED BRILLIANTINE.—See *C. & D.*, March 1, 1913, p. 68.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," January 14, 1865.

Trade Report.

The usual sales of Drugs, owing to the holidays, have not taken place, and, with the exception of a few articles in which small sales have been made by speculators, scarcely any change has taken place. The first auctions will be holden on Thursday next. A large business has been done in Rhubarb at prices showing an advance of 1*s*. to 1*s*. 3*d*. per lb.; the common and middling kinds have been the most in request, at from 1*s*. 6*d*. to 3*s*. 6*d*.; some fine has brought 6*s*. 9*d*. to 7*s*. A good business has been done in Oil Cassia; last sales made at 8*s*. 3*d*. to 8*s*. 4*d*. Also in Oil Aniseed business has been done at 6*s*. 1*d*. to 6*s*. 3*d*. Camphor is lower, 200 casks China selling at 85*s*. Turmeric is about 1*s*. dearer, good Bengal selling at 24*s*. Cochineal is better, and a fair business doing. Gambier is more in request at 22*s*. 6*d*. to 23*s*. for good quality, and Cubebs 26*s*. to 27*s*. Cutch is quiet; small sales made in good Rangoon at 23*s*. 6*d*. to 24*s*. Nothing done in Gums worth reporting. Ipecacuanha is steady at 8*s*. to 8*s*. 6*d*. A few lots middling and fair Tinnevelly Senna sold at 5¾*d*. to 7*d*. Shellac is rather cheaper for the common kinds; good orange is firmer. China galls have sold to a moderate extent at 63*s*. to 64*s*., and Japan at 54*s*. A few lots of Galangal-root sold at 15*s*. to 16*s*. 6*d*. Star Aniseed easier; 150 cases sold at 105*s*. to 125*s*. In Dyewoods a few lots Jamaica Log sold at 70*s*. to 75*s*., and Jamaica Fustic at 110*s*. to 115*s*. Red Sanders is cheaper; last sales at 90*s*. to 92*s*. 6*d*. per ton. In other goods no change.

"Perfection" Hospital Ware

Finest White Semi-Porcelain. Guaranteed Impervious

Hospitals and Retailers Can Obtain these Goods from their Regular Wholesale Medical Supply House or Druggist Sundriesman. If you have any difficulty in obtaining them write direct to the Manufacturers

"Perfection" Bed and Douche Pan

British Patents No. 9583—1900 & No. 5311—1909

Anatomically Correct Fits the Body

No Pressure on the end of the Spine

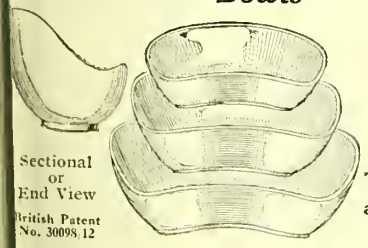
Prevents Bed-Sores

No Unsanitary Spout or Corners
Easy to Empty and Clean
A Douche Pan as well as a Bed Pan

No. 1—Large Size for Adults
No. 2—Small Size for Children

Used in Over 500 Hospitals in Gt. Britain and Colonies, and in Over 2000 Hospitals in the United States

"Perfection" Dressing or Bleeding Bowls



Sectional or End View

British Patent No. 30098.12

Improved Pus or Vomiting Basins

Back Wall Twice as High as Front Wall

Three Sizes—**10 inch; 8 inch; and 6 inch**

The high back gives these Basins a larger capacity and allows them to be carried more easily. It also prevents the vomits, if projectile, from soiling the Nurse or Surgeon. This feature makes the "Perfection" Bleeding Bowls very useful in the Operating Room, while the patient is on the Operating Table, and also in the Ward when the patient is recovering from the Anæsthesia.

The "Perfection" Dressing Basins are especially suitable for Ear and Eye work.

"Perfection" Male Urinal

British Patent No. 20507 06

The Correct Shape

Stands Firmly on End When Not in Use so that Contents Will Not Spill

The Wide Base Gives Almost Double the Capacity of the Bottle or Duck-Shaped Urinals

Can be Used in Conjunction with the "Perfection" Bed Pan

Fig. 1—Position When Not in Use

The "Perfection" is more practical than the old-style Urinals and is easier to use as it rests comfortably between the thighs and does not require to be held in position. This feature makes it useful in cases of involuntary urinations.

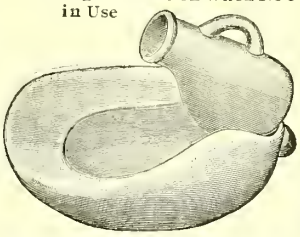


Fig. 2—Shows Urinal in Conjunction with "Perfection" Bed Pan

"Handy" Female Urinal and Child's Bed Pan

The Only Practical Female Urinal Made

Useful as a Bed Pan for Children

Suitable for Adults and Special Fracture Cases Where a Low, Small Size Pan is Required

Weight Only 2¼ lbs. Capacity, 30 oz.
Length, 12 in. Height at Front 1 in.; at back 3 in.

The "Handy" is comfortable because the front end is slightly curved to take away pressure from the Spine. It is sanitary because it is easy to empty and clean. It lies firmly on the Bed without danger of tilting or wetting the Bed Linen.

Manufactured Under the Patents of Meinecke & Co. of New York by

Grimwades Limited, Stoke-on-Trent

London Address—13 St. Andrews Street, Holborn Circus, E. C.

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BELLADONNA LEAVES
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THE ORIGINAL PREPARATION.

Many pharmacists have assured us that even when the name "**HEWLETT'S**" is not appended to the short title they invariably dispense HEWLETT'S preparation, as they know from experience that it is the best, that it keeps indefinitely, and universally gives satisfaction, whilst imitation preparations vary so considerably, not only from the **original**, but from each other, that patients notice the difference and complain.

Price 11s. per lb., packed, for dispensing only, in 10, 22, 40, and 90 oz. Bottles.

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C. J. HEWLETT & SON, Ltd., Wholesale Druggists, 35 to 42 Charlotte St., **LONDON, E.C.**

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If you try it, you will find it *just as easy* to make a sale of 3*s*. 7½*d*. for the two as to get 2*s*. 6*d*. for the Ointment alone. In the treatment of Eczema, Pimples, and other skin troubles, the affected parts should be bathed with Resinol Soap and hot water before Resinol Ointment is applied. Resinol Soap is absolutely pure and non-irritating, and contains the same soothing, healing properties as Resinol Ointment. Tell your customers this and they will buy the soap too. Resinol Soap is also an ideal toilet soap, as the Resinol Balsams keep the skin clear and the hair healthy.

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It's free. We want you to learn how this rich, creamy lather soothes and heals the face. When you have tried it you will WANT to recommend it to every man who comes into your shop.

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For Hypodermic Injection.

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N.B.—We would draw attention to the fact that all prices quoted herein are subject to alteration without notice, and that where stocks are limited preference is always given to our regular customers.

*Acet. Ipecac., B.P., 7 lbs. @ 1/9 lb.
,, Scillæ, P.B., 7 lbs. @ 4½d. lb.
Acid. Boric Pulv., 3 cwt. @ 34/– cwt.; 1 cwt. @ 34/6 cwt.; levigd. 3/– cwt. or ½d. lb. extra.
Ammon. Carb., lump, 3 cwt. @ 4¼d. lb.; 28 lbs. @ 5½d. lb.; 7 lbs. @ 6d. lb.; powder, ¼d. lb. extra.
*Aqua Anethi Conc. 1–40, 1 lb. @ 2/11 lb.
* ,, Anisi Conc. 1–40, 1 lb. @ 3/1 lb.
* ,, Aurant. Conc. 1–40, 1 lb. @ 6/1 lb.
* ,, Cinnam. Conc. 1–40, 1 lb. @ 3/4 lb.
* ,, Menth. Pip. Conc. 1–40, 1 lb. @ 3/– lb.
* ,, Rosæ Conc., 1–40, 1 lb. @ 7/– lb.

Bismuth, P.B., Carb. 3 lbs. @ 12/– lb.; 1 lb @ 12/4 lb.; subnit. 1/– lb. less.

Camphor, English Flowers, "not artificial," 5 lbs. @ 2/3 lb., 7 lb. tabs., ½ oz., ⅓ oz., or ¼ oz. @ 2/4 lb.
*Chlorodyne, 5 lbs. @ 2/– lb.
*Chloroform, pure, B.P., 12 8-lbs. @ 1/9 lb. 8 lbs. @ 1/10 lb.; 6 1-lb. bots. @ 2/– lb.

Dec. Aloes Co. Conc. 1–2, 6 lbs. @ 1/9 lb.; Sincroco, 6 lbs. @ 1/2 lb. [lb.
,, Cinchonæ (Rubræ) Conc., 1–7, 6 lbs. @ 1/10
,, Senegæ Conc., 6 lbs. @ 2/6 lb.

Emp. Spread, 12 yards × 16 ins. adhesive, 3/8; Ballad. B.P.C., Green @ 17/6; Cerat. Saponis @ 7/6; Picis Co. @ 7/6; Plumbi I @ 6/–; Resin @ 4/6; Roborans @ 6/–; Saponis, B.P., @ 6/–.
Emp. Picis, P.B., 7 lbs. @ 8½d. lb.
,, Plumbi P.B., 7 lbs. @ 8½d. lb.
,, Resinæ, P.B., 7 lbs. @ 8½d. lb.
,, Roborans, 7 lbs. @ 8½d. lb.
Emulsio Ol. Morrhuæ, 5 lbs. @ 11d. lb.
Ess. Pear (artificial), Jargonelle, 5 lbs. @ 2/– lb.; Bergamot, 2/6 lb.
Ess. Pineapple, 5 lbs. @ 3/4 lb. [lb.
,, Raspberry, 5 lbs. @ 2/2 lb.; 1 lb. @ 2/6
,, Vanilla Beans, 5 lbs. @ 4/4 lb.; 1 lb. @ 4/7 lb.
Ext. Belladonnæ Liq., B.P., 5 lbs. @ 7/9 lb. 1 lb. @ 8/– lb.
Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 1/2½ lb.; 10 lbs. @ 1/4 lb.
Ext. Glycyrrh. Liq., B.P., 6 lbs. @ 1/7½ lb.
Ext. Hamamelis Liq., P.B., 5 lbs. @ 3/5 lb.
Ext. Hyoscyam., Solid, B.P., 3 lbs. @ 5/1 lb.; 1 lb. @ 5/5 lb.
Ext. Ipecac. Liq., P.B., 5 lbs. @ 18/– lb.; 1 lb. @ 19/– lb.
Ext. Malti c. Ol. Jecoris, 10 lbs. @ 5½d. lb.
Ext. Nucis Vom. Liq., P.B., 5 lbs. @ 3/5 lb.; 1 lb. @ 3/8 lb.; solid, 5 lbs. @ 3/7 lb.; 1 lb. @ 3/10 lb.
Ext. Quassiæ, Solid, 7 lbs. @ 6/– lb.; 1 lb. @ 6/4 lb.
Ext. Sarsæ Co. Solid, 7 lbs. @ 6/– lb.; 1 lb. @ 6/6 lb.

Glycerin, Acid. Boric, P.B., 6 lbs. @ 1/6 lb.
,, Acid. Carbolic, P.B., 6 lbs. @ 1/6 lb.
,, Acid. Tannic, P.B., 6 lbs. @ 2/2 lb.
,, Belladon. B.P.C., 6 lbs. @ 3/– lb.; 1 lb. @ 3/3 lb.
Glycerin. Boracis, P.B., 6 lbs. @ 1/3 lb.
,, Pepsin. Acid, P.B., 1 lb. @ 3/6 lb.
,, Plumbi Subacet. P.B., 6 lbs. @ 1/7 lb.

Heading (Frotbing Ess.), 5 lbs. @ 1/1 lb.

Inf. Auraut. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
,, Auraut. Comp. Conc., 1 to 7, 6 lbs. @ 1/3
,, Buchu Conc., 1 to 7, 6 lbs. @ 2/2 lb. [lb.
,, Calumbæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
*Inf. Caryopb. Conc., 1 to 7, 6 lbs. @ 1/– lb.
* ,, Cascarilla Conc., 1 to 7, 6 lbs. @ 1/4 lb.
* ,, Cinchonæ Acid. 1 to 7, 6 lbs. @ 1/7 lb.
* ,, Gentianæ Co., 1 to 7, 6 lbs. @ 1/1 lb.
* ,, Quassiæ Conc., 1 to 7, 6 lbs. @ 9d. lb.
* ,, Rbei Conc., 1 to 7, 6 lbs. @ 1/6 lb.
* ,, Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
* ,, Senegæ Conc., 1 to 7, 6 lbs. @ 2/1 lb.
* ,, Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.

*Lin. Aconiti Meth., 5 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb.
* ,, Bellad. Meth., 5 lbs. @ 2/9 lb.; 1 lb. @ 3/– lb. [1/1 lb.
,, Camph. P.B., 40 lbs. @ 1/– lb.; 9 lbs. @
,, Sapo Meth., 9 lbs. @ 7d. lb.
,, Tereb. Acet., B.P., 5 lbs. @ 1/– lb.
*Liq. Ammonii Acetatis Conc., 1–7, 6 lbs. @ 8d lb.; 1 lb. @ 1/– lb.
* ,, Ammon. Aromat; 6 lbs. @ 9d. lb.
* ,, Antim. Chlor. Pure, 8 lbs. @ 6½d. lb.
* ,, Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d lb
* ,, Arsenii Hydrochlor., P.B., 7lbs @ 4d. lb.; 1 lb. @ 7d lb.
* ,, Bismuth, P.B., 6 lbs. @ 1/3 lb.

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*Liq. Copaiba Buchu et Cubeb, 5 lbs. @ 2/8 lb. 1 lb. @ 3/– lb.
* ,, Easton., p.s. 1–3, B.P., 1 lb. @ 3/– lb.
* ,, Ferri Dialysatus, 6 lbs. @ 7d. lb.
* ,, Ferri Iod. p.s., 1–7, 1 lb. @ 7/10 lb.
* ,, Ferri Perchlor. Fort., P.B., 7 lbs. @ 4d. lb.
* ,, Ferri Phosph. Co. p.s., 1–7, 7 lbs. @ 1/6 lb.
* ,, Hypophosph. Co., p.s., B P.C., 1 lb. @ 3/8 lb.
* ,, Iodi Fort, B.P., 5 lbs. @ 6/– lb.
* ,, Morphinæ Acet. or Hydrochlor., P.B., 6 lbs. @ 3/4 lb.
* ,, Opii Sed., 5 lbs @ 4/6 lb.
* ,, Plumbi Subacet., P.B., 7 lbs. @ 3½d. lb.
* ,, Pruni Virg. p.s., 1–7, 5 lbs. @ 2/6 lb.
* ,, Rhœados pro Syr., 1 to 7, 5 lbs. @ 1/11 lb.
* ,, Rhei, p.s. 1–7, 6 lbs. @ 2/2 lb.
* ,, Santali Co., 1 lb. @ 4/– lb.
* ,, Sennæ Dulc., 6 lbs. @ 1/4 lb.
* ,, Sennæ pro Syr., 1–7, 6 lbs. @ 2/– lb.
* ,, Strychninæ Hyd., P.B., 6 lbs. @ 1/6 lb.
* ,, Tolut. pro Syr., 1–7, 6 lbs. @ 1/8 lb.
* ,, Trinitrini, B.P., 1 lb. @ 6/1 lb.

Mag. Sulph., fine druggists', B.P., 1 cwt. @ 9/– cwt.
*Mist. Sennæ Comp., B.P., 20 lbs. @ 6½d. lb.; 6 lbs. @ 7½d. lb.
Morphinæ Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 13/8 oz.; 16 oz. @ 13/10 oz.; 8 oz. @ 14/– oz.; 1 oz. @ 14/9 oz.; Pur. Præcip. Bimeconate or Tart, 1 oz. @ 17/9 oz.

Ol. Caryoph. Ang., B.P, 9 lbs. @ 4/11 lb.; 4½ lbs. @ 5/1 lb.
Ol. Menth. Pip., English, 5 lbs. @ 33/6 lb.; 1 lb. @ 34/6 lb.; American, 20 lbs. @ 7/9 lb.; 4½ lbs. @ 8/9 lb.; 1 lb. @ 9/3 lb.
Ol. Wintergreen, Artificial, 5 lbs. @ 3/6 lb.; 1 lb. @ 3/9 lb.
Oxymel Scillæ, B.P., 5 cwt. @ 34/6 cwt.; 1 cwt. @ 36/6 cwt.; *7 lbs. @ 7d. lb.

Pulv. Cretæ Arom., P.B., 14 lbs. @ 7d. lb.; c. Opio, B.P., 7 lbs. @ 1/9 lb.
Pulv. Glycyrrh. Co., B.P. (Green), English Ground, 56 lbs. @ 50/– cwt.
Pulv. Ipecac. Comp., P.B., 1 lb. @ 5/3 lb.
,, Jalap Comp., P.B., 1 lb. @ 1/9 lb.
,, Rhei Comp., P.B., 1 lb. @ 1/2 lb.

*Spt. Æther Nit. P.B., 4½ lbs. @ 3/8½ lb.; 1½lb. @ 3/11½ lb.
* ,, Ammon. Aromat., P.B., 5 lbs. @ 2/1 lb.
* ,, Chloroform, P.B., 5 lbs. @ 3/8 lb.
*Syr. Aurant. P.B., 7 lbs. @ 10½d. lb.
* ,, Easton, B P., 7 lbs. @ 1/2 lb.
* ,, Ferri Iodid. P.B., 7 lbs. @ 1/5 lb.
* ,, Ferri Phosph. Co., 7 lbs. @ 6½d. lb.
* ,, Hypophosph. Co., B.P.C., 7 lbs. @ 10½d. lb.
* ,, Pruni Virg., B.P., 8 lbs. @ 8½d. lb.
* ,, Rhamni, 7 lbs. @ 11d. lb.
* ,, Rhei, P.B. 7 lbs. @ 9d. lb.
* ,, Scillæ, P.B., 7 lbs. @ 6d. lb.
* ,, Sennæ, P.B., 7 lbs. @ 9½d. lb.
* ,, Tolut., P.B., 7 lbs. @ 8½d. lb.

Tinct. Aurantii Recens., B.P., 5 lbs. @ 3/6 lb. bond, 8¼d. Aquos, 10d. lb.
*Tinct. Belladon., B.P., 5 lbs. @ 3/3 lb.; bond, 6½d. Aquos, 1/2 lb.
*Tinct. Benzoini Comp., P.B., 5 lbs. @ 3/7 lb.; bond, 10d.
*Tinct. Camph. Comp., P.B., 5 lbs. @ 2/8 lb.; bond 6¾d. Aquos, 1/1 lb.
*Tinct. Cantharidis, P.B., 5 lbs. @ 4/– lb.; bond, 6d. lb.
*Tinct. Capsici, B.P., 5 lbs. @ 2/10 lb.; bond, 6d. lb. Aquos, 10d. lb.
*Tinct. Card. Comp., P.B., 5 lbs. @ 2/2 lb.; bond, 7½d. lb. Aquos, 1/– lb.
*Tinct. Cinchon. Comp., B.P., 5 lbs. @ 3/2 lb. bond, 1/0½ lb. Aquos, 1/4 lb.
*Tinct. Cinchon. Rub., P.B., 5 lbs. @ 3/1 lb.; bond, 10d. lb. Aquos, 1/2 lb.
*Tinct. Digitalis, B.P., 5 lbs. @ 3/3 lb.; bond, 6½d. lb. Aquos, 1/– lb.
*Tinct. Gelsem. P.B., 5 lbs. @ 2/11 lb.; bond, 6½d. lb. Aquos, 1 3 lb.
*Tinct. Hyoscyami, B.P., 5 lbs. @ 3/2 lb.; bond, 7¼d. lb. Aquos, 1/5 lb.
*Tinct. Iodi., B.P., 5 lbs. @ 4/8 lb.; Fort. 6/– lb.; bond, 1/9 lb.; decolor.. 5 lbs. @ 4/10 lb.; bond. /6½ lb.
*Tinct. Nucis Vom., B.P., 5 lbs. @ 2/10 lb.; bond, d. lb. Aquos, 1/2 lb.
*Tinct. Opii, B.P., 5 lbs. @ 5/– lb.; bond, 3/4 lb.
*Tinct. Opii Aquos, 5 lbs. @ 3/– lb.
*Tinct. Rhei Co., B.P., 5 lbs. @ 2/– lb.; bond, 10d. lb. Aquos, 1/– b.
*Tinct. Strophanth., P.B., 5 lbs. @ 3/10 lb.; bond, 8½d. lb.
*Tinct. Valerianæ, 5 lbs. @ 2/9 lb.; bond, 6d. lb. Aquos, 1/– lb.

Ung. Acid. Boric, P.B., 28 lbs. @ 7¾d. lb.; Flav. 28 lbs. @ 5½d. lb.
,, Acid Carbol, B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.; 1 lb. @ 1/– lb.
,, Gallæ, P.B., 7 lbs. @ 1/– lb.; 1 lb. @ 1/2 lb.; c. Opio, 7 lbs. @ 2/10 lb.
,, Hydrarg. Ammon., B.P., 28 lbs. @ 1/– lb.; 7 lbs. @ 1/3 lb.

Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

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ORDERS must be accompanied by Cash. Cheques to be made payable to Thomas Beecham, and crossed "Parr's Bank, Limited, St. Helens."

		Per Dozen.
PRICES.—Beecham's Pills,	13½d. size (56 pills)	.... 9/6
,,	2s. 9d. ,, (168 ,,)	.... 25/-

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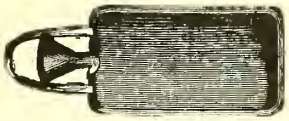
[See p. 569, "C. & D." Diary 1914.



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PURE ORANGE WINE

VINUM AURANTII, B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only

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BRITISH MAKE.

THE "EMPIRE" BRAND

Made in Two Weights, but One Quality only—the Best.

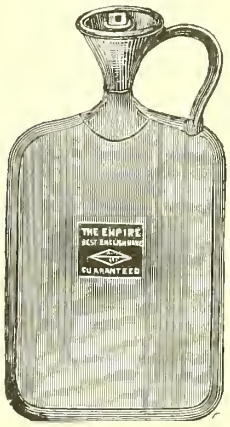


FIG. 957.—**Side Handle.**

Guaranteed for 2 years.

Top, or side handle	SIZES	6×8		6×10		6×12		8×10		8×12		8×14		0×12		10×14	
		s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
Heavy weight	each	2	9	3	0	3	3	3	5	3	9	4	3	4	6	4	10
Light ,, ...	,,	2	8	2	10	3	1	3	3	3	6	3	11	4	2	4	5
Cockburn's shape	,,	2	9	3	0	3	3	3	6	3	10	4	3	4	6	4	10
Covers, scarlet or grey plush	,,	0	7	0	7	0	9	0	9	0	10	0	10	0	10	0	11
,, ,, ,, felt	,,	0	5	0	5	0	6	0	6	0	7	0	7	0	8	0	10

For orders of **two dozen** bottles assorted we will put tablet with customer's name on free of charge. Each Bottle in a strong paper bag with directions for use.

5% discount allowed for prompt cash off above prices. Carriage paid on Orders of **£2** and upwards to any town in the United Kingdom.

We are the right House for Catheters, Enemas, Elastic Hosiery, Hot Water Bottles, Injection Syringes, Pessaries, Sponge Bags, Trusses, Water Beds, Water and Air Cushions, Waterproof Sheeting, and every description of Rubber Goods.

ILLUSTRATED PRICE LIST, POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED.

BURGE, WARREN & RIDGLEY, LTD.,

91 & 92 GREAT SAFFRON HILL, LONDON, E.C.

A. DE ST. DALMAS & CO.

Contractors to His Majesty's Government. **LEICESTER.** *(Established 1828.)*

—— MANUFACTURERS OF ——

MEDICAL PLASTERS

Spread Plasters. Adhesive, Belladonna, Soap Cerate, Roborans, Fleshcolour Adhesive, &c.

Hospital Strapping. On Holland, Pure Stout Calico, &c.

Porous Plasters. All kinds. On Cotton Cloth, Red Felt, White Kid, &c.

Rubber Adhesive Plaster. On Cotton Cloth or Holland—In Tins or on Spools.

Court Plasters, Toothache Plasters, Corn and Bunion Plasters, Mustard Leaves, &c.

SURGICAL BANDAGES

Waterdressing, Fastedge, Calico, and Flannel Bandages, Elastic Web, Crêpe Velpeau, and Plaster of Paris Bandages.

THE LEICESTER "VARICO" LEG BANDAGE.

TRADE MARK.

INGRAM'S TRADE "Eclipse" REGD MARK.

HOT WATER BOTTLES

BRITISH MADE BY BRITISH LABOUR.

FITTED WITH STOPPER. GUARANTEED NOT TO SLIP OR LEAK.

GUARANTEE.

INGRAM'S "ECLIPSE" HOT WATER BOTTLES are personally examined and tested under strict supervision as to the Quality of Rubber, Workmanship, etc., and we assure our patrons that with careful use in any climate, and storage under favourable conditions, these high-grade quality "Eclipse" Hot Water Bottles are warranted to give entire satisfaction, and will remain in a perfect state for a period of Two Years.

¶ Instances have been brought to our notice of these quality Bottles having remained in good condition for as long a period as Five Years.

THE "ECLIPSE" HOT WATER BOTTLE is made in all sizes. Supplied with Jug or Loop Handle, either fitted with Ingram's Pattern Stopper or Rowe's Patent Stopper, both of which are Guaranteed not to Slip or Leak. Each of the above Stoppers can be supplied with Cockburn's Pattern Attachment if desired.

OBTAINABLE FROM ALL WHOLESALE HOUSES.

The "Eclipse" Hot Water Bottle is embossed with the facsimile Trade Mark as above, which is a Guarantee of Quality

Manufacturers: J. G. INGRAM & SON, Hackney Wick, London, N.E.

RENDELL'S

SOLUBLE QUININE PESSARIES.

HE WORLD-WIDE REPUTATION that these Pessaries have obtained since their invention by W. J. endell in 1885 has induced unscrupulous persons to place upon the market worthless and injurious mpounds, with colourable imitations of W. J. Rendell's labels. To distinguish the genuine Pessaries om these fraudulent concoctions, see that the Registered Trade Mark and Number, in RED INK, are upon each box thus:

Registered Trade Mark, without which none are genuine. No. 182,688.

W. J. Rendell No. 182,688

Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

IMPORTANT NOTICE AND CAUTION.

eral injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "THE EMIST AND DRUGGIST"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons akers or Vendors) fraudulently using the name of W. J. RENDELL," "RENDELL," or any colourable imitation thereof in connection with Pessaries NOT manufactured by

W. J. RENDELL,

INVENTOR AND SOLE MAKER,

CHADWELL STREET, CLERKENWELL, LONDON, E.C.

From "THE ANTI-CUTTING RECORD."

"IT is now nearly 11 years since the movement which resulted in the formation of the P.A.T.A. was inaugurated. Amongst the first of the fighters for protected profits was Mr. Davenport, the proprietor of **COLLIS BROWNE'S CHLORODYNE.** At a time when the Association had a few supporters and looked rather like being crushed by the opposition which it encountered, Mr. Davenport's assistance came very opportunely, and dealers in Chlorodyne might well bear this fact in mind when selecting a brand to sell to their customers. We think that those who helped to lay the foundation of the P.A.T.A. are entitled to special consideration at the hands of those whom the Association has so much benefited. It should always be remembered that the pioneers ran much heavier risks than those who have come in on the flood-tide after the success of the movement was assured, although of course we are in no sense despising or underrating the importance of more recent converts to the Association, and do not for a moment suggest that they should not be supported. All those proprietors who have stood by the P.A.T.A. through thick and thin ought to be put in an exceptional position in comparison with those who have never done a thing for the trade. If chemists *must* substitute (and it really seems as if some of them can hardly restrain their propensities), surely they might confine their operations to the goods of those makers whose motto is 'Self, and self alone.' We think no fair-minded retailer will, after full reflection seriously blame the P.A.T.A. Council for insisting that substitution must cease when the proprietor loyally does his part."

Purchasers must NOT be asked to sign a Poison Book.

Dr. J. Collis Browne's Chlorodyne

The ORIGINAL and ONLY GENUINE.

"The original Chlorodyne as manufactured from the recipe of Dr. J. Collis Browne is perhaps in greater demand now than it has ever been before. It has been on the P.A.T.A. List since 1897, as readers are no doubt aware. J. T. DAVENPORT, Ltd., 117 Union Street, S.E., have been the sole manufacturers of this article for upwards of forty years."

Pharmaceutical Journal, October 22, 1904.

PRICES AND TERMS.

Size	1/1½	2/9	4/6	11/-
Minimum Retail Price	1/-	2/6	4/-	10/-
Price to Trade (per dozen)	10/-	26/-	42/-	104/-

Discount **5** per cent. on **£1** worth, **10** per cent. on **£5** worth. Packages charged **3d.** on **£2** parcels or under, and **1d.** for each extra **£1** worth, and are not returnable. Carriage forward. Terms: Cash with order. Most Wholesale Houses supply on equal terms.

HE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, JANUARY 23, 1915.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers), and to ensure prompt insertion

REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

BEST RESULTS EVERY WEEK!

That is what advertisers in The Chemist and Druggist Supplement secure. Not indefinite returns from spasmodic and inflated circulation, but regular, steady success—the best possible in the Drug Trade. It gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

essrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

LONDON, S.W. (Favourite Residential Locality).—Good-Business, Retail and Dispensing; established many years; s about £1,500; *profits above the average of Retail trade*; valuation of stock and fixtures and premium for goodwill arranged equitably.

LONDON, E.C.—Old-established Business; situate in busy ng thoroughfare; returns under unqualified management £12 per week; scope for considerable development; *gross* 50 *per cent.*; to effect a speedy transfer £135 would be ed; illness cause of sale.

LONDON, S.E.—Cash Drug Store; situate in main thorough-f working and middle class locality; returns between £950 1,000; *net profit about* £350; good house and garden; rent noderate; price £450, or near offer.

SURREY (Suburban).—Established Business; situate in the al thoroughfare; returns between £500 and £550 per ; *net profit* £170; price £200, or valuation of stock and s.

LONDON, S.E.—Special opportunity; for immediate Dis-middle-class Retail and Dispensing; returns under manager £700; scope for considerable development; price £275.

LONDON, S.W.—Good-class Retail and Dispensing; situate y main thoroughfare; returns £1,420 at good prices; to a speedy transfer the sum of £800 will be accepted.

SOUTH OF ENGLAND.—Retail and Dispensing Business; shed about 60 years; net income £160; price £150, or ion of stock and fixtures.

8.—NORTH OF ENGLAND (Manufacturing Town).—Good-class Retail and Dispensing; little N.H.I.; returns £1,300 at fair prices; large house and garden; price £900.

9.—VILLAGE BUSINESS, SUFFOLK (Unopposed).—Terms, valuation of stock and fixtures; part payment considered; country Retail, with Gilbey's Agency; returns average about £900; double-fronted shop, situate in market place; good house.

10.—HOME COUNTY.—Modern Pharmacy; situate in pleasant district; well-appointed shop and ample stock; returns (present rate) £1,600; the business admits of extension; full investigation invited; valuation terms entertained.

11.—SUSSEX.—Good-class Business, Retail and Dispensing; returns last year £860, increasing; *net profit* £253; double-fronted shop; comfortable residence; price £850.

12.—LANCS (Market Town).—Retail and Dispensing, with Optical connection; returns £1,370; showing steady increase; *net profit* £580; double-fronted shop, capitally situate in main thoroughfare; valuation terms entertained.

13.—ESSEX (Main Line of Rail).—Modern Pharmacy; returns (present rate) under manager £800 at fair prices; well-appointed premises, held on lease; full investigation invited; price to be arranged equitably.

14.—KENT (Within Easy Distance of Town).—Good-class Retail and Dispensing Business; returns £703; *net profit about one-third*; very convenient shop and good house; price £450, about the value of stock and fixtures.

VALUATIONS FOR STOCKTAKING.

s. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value usiness, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester." Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS.

NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£800 returns (over).—SUSSEX.—Good-class Light Retail, showing a certified net profit of nearly £400, in most beautiful district; very good house available; price £650.

£500 returns.—KENT.—Very profitable Retail, with plenty of scope; good house attached; price £250; part can remain.

£1,900 returns.—Dispensing, Photo. and General Retail in fashionable South Coast resort; good living accommodation; price £1,000, or goodwill £100 and valuation.

£1,600 returns.—LINCOLNSHIRE.—Good easily-worked Retail; returns increasing steadily; good warehouse, etc.; price £900.

£600 returns (increasing).—MIDLANDS.—Can easily do £1,000; Light Country Retail, with unlimited scope for Agricultural; large house, gardens, etc.; rent £55, Dentist pays half; price £500.

£500 returns.—YORKSHIRE.—Old-established; under unqualified; qualified could double returns at once.

We have cash Buyers for businesses from £500 to £5,000.

Valuations conducted upon the shortest notice at moderate fees.

PARSON C. BAKE

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY,

Tel. No. Finchley 812.

Recommended by— BRITISH DRUG HOUSES, LTD. MEGGESON & CO., LTD. BARCLAY & SON, LTD.

All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W. Tel. No. Victoria 2

IN Principal Street, Lancashire Town.—Business doing £10 £15 weekly; unqualified owner; full Wine Licence; good ho and shop; rent only £28; price £250, or offer; can be rapi increased; undeniable opportunity.

WALES.—Cash Business; over £1,100; no opposition; net pr over £300; double-fronted shop, fully stocked; rent £52; val tion and small goodwill; trustees will consider any reason offer.

SMALL up-to-date Business, regularly increasing, in S.W. trict; profitable without any side-lines; first reasonable offer

WESTERN SUBURB.—Returns £800; ill-health sole cause sale; strongly recommended; price about £350.

DEVONSHIRE COAST.—Increasing Business; returns £7 good prices; large shop, good house; rent £60; part let off; profit £225; no Dentistry or Optical; £500, or offer.

Valuations for Probate, Sale, or Account. Terms moder Personal attention.

THOS. TOMLINSON & SO

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial Foreign Subscribers to the fact that in cases where t require partners, agents or assistants, or wish to sell t businesses, an advertisement in this Supplement, pla in every copy of "The Chemist and Druggist," shoul the readiest means of helping them to attain their obj The tariff for such announcements is given under the ap priate headings in the Supplement. Instructions and mittances can be sent to us direct or through the ad tisers' correspondents in this country.

MESSRS. BERDOE & FISH

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following businesses for Disposal. (No charge to Purchasers.)

1.—CORNWALL (Death Vacancy).—Old-established Light Family Retail and Dispensing Business; returns between £1,000 and £1,100; double-fronted shop, in good position; same hands over 20 years; low price accepted for early sale.

2.—DEVON COAST. — Good-class Retail and Dispensing Business, increasing; returns nearly £800; good profits; large shop, modern fittings and good stock; price £500, little more than valuation.

3.—ESSEX (Popular Health Resort).—High-class Family Retail and Dispensing in growing district; returns average £16 weekly; good profits; plenty of scope; modern house and pharmacy; every convenience; price £625, or close offer.

4.—KENT COAST.—Light Family Retail and Dispensing Business, in central position; established many years; returns average £750, last year £520; good premises, fully stocked; price £300 cash; strongly recommended.

5.—SURREY (Charming Locality).—Light Country Retail Business, returning over £400; net profit £160; large house and garden; net rent only £15, on lease; stock and fixtures worth £200; price £175, or first reasonable offer.

6.—LONDON, N.W.—Sound middle-class Cash Retail Business; in good position; returns over £1,500; net profit nearly £500; books open to fullest investigation; own property; price £800.

7.—LONDON (Western Suburb).—Good-class Retail and Dispensing, with Photographic trade; returns £750; plenty of scope; well-fitted shop, good stock; price £300.

8.—LONDON, S.E.—Sound middle-class Cash Business, in main road; returns last year £970; net profit £350; books well kept; nice house and garden; well-stocked shop; price £450 cash; strongly recommended.

9.—BUCKS.—Good Light Retail, Dispensing, and Prescri Business, in pleasant market town; returns nearly £1,300; profit £350; assistant kept; large house and garden; price £80

10.—EASTERN COUNTY. — Good-class Retail and Dispen Business, in most desirable town; returns £900, at good pro low rent; handsome Pharmacy, fully stocked; price £700, a valuation.

11.—LANCS.—Cash Retail, Prescribing, with N.H.I.; ret over £900; net profit over £300; good main road position; rent; convenient house; stock and fixtures worth £475; only £350.

12.—DERBYSHIRE.—Unopposed Light Village Retail Busin returning £550; net profit £195; books properly kept; house and shop; low rent; price £250, about valuation.

13.—CHESHIRE.—Good-class Dispensing and Light Retail; 3,500 private scrips yearly, returns £1,000; net profit £ Assistant kept; good residential locality; nice house; price £

14.—LONDON (Essex Suburb).—Good ready-money R ness, under management; present returns about £1,000, be £500 a year from N.H.I.; modern-fitted shop, excellent posit plenty of scope; price £600 cash.

15.—LONDON (South).—Well-established ready-money R Business, in busy main thoroughfare; returns approach £2, good profits; low rent; convenient premises; well stocked; £950 cash.

16.—LONDON, N.W. (Death Vacancy).—Good-class Fa Retail and Dispensing Business; present returns £10 to weekly; very profitable; can easily be made do £20 a w fine shop, well stocked; price £325, or valuation.

STOCKTAKING VALUATIONS.

We, as the originators of stocktaking valuations, have for many years past continued to point to chemists the importance of an annual stocktaking; and this year, more than ever, every Chemist business should take stock. We as experts undertake this work at a very low fee, and without in way upsetting the ordinary routine of your business.

Please read page 64 in "C. & D. Diary," and write for pamphlet and terms.

INESSES FOR DISPOSAL.

. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

Advertiser may, if preferred, have replies to this Office, and forwarded on payment of an l charge of **6d.**

ts, trade circulars, samples, and printed matter can in forwarded, the Box numbers being intended exclusively o answers to particular advertisements. The Publisher he right to open and refuse to forward any communica- ived which he may consider contrary to this rule.

AN and Nelson and Llancaiach, South Wales.—For Sale going concern, old-established first-class Retail and Dis- Chemist and Druggist Business; last year's returns at 1,165, Nelson and Llanoaiach £354; N.H.I. Dispensing; s in villages. For permission to inspect apply Mr. H. Park Row, Leeds, Incorporated Accountant, to whom be made.

ORD.—Old-established Light Retail Drug Business for sal at once; main thoroughfare, near Town Hall; reason, l opening for Panel. Particulars from "S. H.," 113 reet, Bradford.

(Popular Resort).—Sound Business; splendid position, locality; handsomely fitted, well stocked; turnover ceptional profits; valuation £390; low rent; splendid or Opties; no reasonable offer refused. Apply, 185/20, this Paper.

N, S.W.—Advertiser, wishing to devote full time at his -End business, offers Suburban one for immediate Dis- luation of stock and fixtures £700; electric light; long mfortable house; old-established, with several valuable ries. Interview arranged after application to "Celeritas" Office of this Paper.

N, W.—Good class; opened by advertiser 16 years ago; 10,000 new Prescriptions in books; returns been nearly ately neglected through illness; genuine chance; £200 accepted for quick sale; owner ordered out. 191/29, this Paper.

LESEX.—Family and Dispensing Business; old-established; dern fittings; low rent; long lease; net profit average three years over £400; price £775. Apply, with refer- "Chymist," c/o Evans Lescher & Webb, Bartholo- se, E.C.

OUTHSHIRE.—£50 down and balance at purchaser's venience; Mixed Cash Business; doing well over £1,000 um; also large N.H.I. connection; ill-health the sole or disposal. 185/27, Office of this Paper.

Manchester.—Sound Business, situated in largely popu- d area, without near opposition; Wine Licence; N.H.I. ng; easy rental; steady trade; good profits; purchase 00. Apply to "Reliable" (189/2), Office of this Paper.

Manchester. — Well-stocked Business in working-class hbourhood for Sale for £150; turnover about £400; net 130; capable of very considerable increase; anyone with ge of Dentistry could do well in same. Apply, 185/31, this Paper.

Manchester.—Old-established Light Retail Business in kly populated district; Wine Licence attached; showing t of £200; could be increased; price £250 cash. Apply, Office of this Paper.

H WALES.—For Sale as a going concern, old-established iness of Chemist and Druggist in Wrexham; shop ly situated in main thoroughfare; well stocked; modern electric light; turnover £1,500 per annum; no reasonable used. For further particulars apply A. Moffatt, Account- Regent Street, Wrexham.

X County Town.—One of the most unique Businesses in South for Sale; good-class Retail, Dispensing, and Photo- returns £900; net profit over 50 per cent.; ample scope her development; handsome lock-up shop; low rent; no n; beautiful healthy country. 187/12, Office of this Paper.

ADVERTISERS offer for Disposal entire Goodwill of their Business as Proprietors of a Treatment for Rheumatism, etc., in Tablet form, doing both Home and Export trade and established for over 17 years; the business has shown a profit every year for the past 13 years with the exception of 1911; can be most economically worked by any firm as an adjunct to their business. Inquiries to be addressed to A. M. Post Ltd., 104 High Holborn, London, W.C.

ANYONE who means business and wants a genuine concern don't hesitate or wait; my Business is unopposed: situated in healthy part in Glamorgan; splendid wages earned; returns 1913 £550, £580 in 1914; these exclude Panel; number of Scripts 1914, 3,000; Wine Licence; rent exceptionally low; long lease; satisfactory reasons for disposal; fullest investigation allowed; only wants seeing. "Cymro" (185/10), Office of this Paper.

BRANCH Business, situate on main road; rent £35; good living accommodation; has taken £6-£7 under bad management; capable increase; modern fittings; good window; Croydon district; £100 or offer. "R." (191/15), Office of this Paper.

CHEMIST'S Business for Sale, full Wine and other Licences, at Lees, near Oldham; price £250 for immediate sale; cost nearly double; takings could be improved by qualified Chemist; payment of purchase money by instalments if desired. Apply, Barstow & Midgley, 8 Harrison Road, Halifax.

FOR immediate Sale, as going concern, Cash Retail and Dispensing Business; 30 miles from London; takings £800 per annum and increasing, at good profits; open to every investigation. Full particulars from Mr. Alfred Laban, Chartered Accountant, 25 and 27 Oxford Street, London, W.

GENERAL Family Business, with a little Photographic, N.H.I. Dispensing; during the last three years the returns have increased by £159; good house, 8 rooms; present returns about £10 a week; net profit about 25 per cent.; valuation stock and fixtures required. "Braine" (186/30), Office of this Paper.

GOOD Fixtures and Stock to be Sold; a bargain; situate at Fenton, Staffordshire; the Premises to be Let or Sold. Apply, G. Hulme, Farndon House, Market Drayton, Salop.

£25 Cash.—Drug Stores; selling sacrifice; double-window enclosures, cost £30; return counter; lock-up shop, with basement; fixtures and fittings cost £90; stock now £25; thickly populated district; established 10 years; has done £11; lately branch; unable obtain Assistant; rent 5*s.* 6*d* week. "Chemist," 191 Dudley Road, Birmingham.

£135.—Sacrifice price for quick Sale; Cash Retail Business in busy congested neighbourhood, shopping thoroughfare, London; been opened 12 months only, and now taking £10 to £12 weekly under unqualified; 50 per cent. gross profit; scope for large increase; mahogany fittings, fully stocked; good house; only urgent reason causes owner to sell. 191/37, Office of this Paper.

£150 cash (or valuation) will purchase nice easy Business in lovely Essex village, 40 miles from London: no opposition; net profit £120; good opening for Photography and Dentistry: immediate sale necessary for satisfactory reason. Address, 185/4, Office of this Paper.

DISSOLUTION of PARTNERSHIP

RE W. H. McMULLAN & CO.—The Partnership as Pharmaceutical Chemists in Larne in the above firm hitherto existing between John Pringle Parke and William H. McMullan has been dissolved by mutual consent through expiration of the existing agreement. William H. McMullan, having purchased out the entire interest in the above business of John Pringle Parke, is now the Sole Proprietor, and will carry on the aforesaid business as usual at the present address and under the present name.

JOHN PRINGLE PARKE.
December 30th, 1914. WILLIAM H. McMULLAN.

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

A WELL-KNOWN agent, with very large connection, Leeds to Aberdeen, requires Agency for Toilet Soaps, Perfumery, or well-advertised Speciality. 188/029, Office of this Paper.

TENDERS.

WILLESDEN URBAN DISTRICT COUNCIL
ISOLATION HOSPITAL.

CONTRACT FOR THE SUPPLY OF DRUGS AND DRUGGISTS' SUNDRIES.

TENDERS are invited for the supply of Drugs and Druggists' Sundries to the Willesden Isolation Hospital for the half-year ending 30th September, 1915.

Forms of tender can be obtained from the undersigned, and the various samples therein referred to inspected at the Hospital, Dog Lane, Willesden, on and after Monday, 18th January, 1915.

Tenderers will be required to quote the discount they are prepared to allow off the market monthly list of current prices.

Tenders, to be endorsed "Tenders for Drugs and Druggists' Sundries," must be delivered at the Council Offices before 4 o'clock on Thursday, the 4th day of February, 1915.

STANLEY W. BALL, Clerk of the Council.

Municipal Offices, Dyne Road, Kilburn,
January 15th, 1915.

FOR SALE.

TICKET-PRINTING National Cash Till for Sale; money keys to £2; three assistants' keys; adds total; perfect condition; what offers? Write, Ford, 48 Hartington Road, Lower Edmonton, N.

TO LET.

BIRMINGHAM.—Large corner Shop to Let in populous, good-class suburb; in same hands many years as a Pharmacy; ample house accommodation; rent £70, or could be arranged; correspondence invited. Apply, 188/9, Office of this Paper.

CHEMIST'S Shop, Willesden, to Let; £45 per annum; just vacant; cause unforeseen; can do £20 weekly. To view only apply, 11 Guilsborough Road, Church Road, Willesden (close to shop).

BUSINESSES WANTED.

WANTED, good Drug-stores in country town (Midlands preferred); must be sound and showing a net profit not less than £150, with scope for good increase; open to full investigation; part cash and rest to be arranged. Full particulars in first letter, 188/12, Office of this Paper.

PARTNERSHIPS.

MANAGER-PARTNER.—Owing to death of proprietor, a Manager-Partner is required for an old-established, well-paying Chemist's business, situated in centre of large town in South Wales; Manager must be able to invest money in the business; good opening for young man; principals only dealt with. Apply, 183/4, Office of this Paper.

PARTNER wanted (qualified) in a high-class old-established Mixed business, returning about £4,000, situated in the Midlands. State age, experience, and amount of capital at command, 190/18, Office of this Paper.

APPRENTICESHIPS.

APPRENTICE (outdoors) required for Belvedere Pharmacy (about 10 miles from London Bridge); must be tall, of good appearance, and well educated; every facility for acquiring all-round experience in a modern Light Retail, Prescribing, and Dispensing business; small progressive salary. Apply Walter Reeson, M.P.S., Dispensing Chemist, 80 High Street, Erith, Kent.

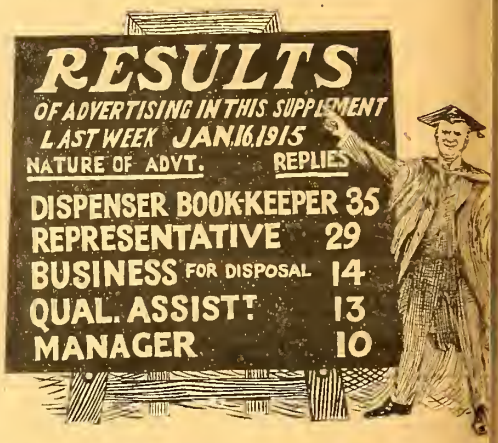
YOUTH, age 18, with slight knowledge of Pharmacy, wishes to become an Apprentice; passed Prelim.; time for study; South London preferred. 185/5, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have addressed to this Office, and forwarded on payment additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter no case be forwarded, the Box numbers being intended exc for specific answers to particular advertisements. The P reserves the right to open and refuse to forward any com tions received which he may consider contrary to this rule



This Blackboard demonstrates that Advert sers usin columns get a ready response to their announce The figures only refer to some of the letters RECEI OUR OFFICE on behalf of Advertisers who use a nu nom de plume.

RETAIL.

BIRMINGHAM.—Junior; unqualified; experienced; manly; good Salesman and Dispenser; one accustomed class trade. Apply, giving full particulars of age, height, ence, salary required (outdoors), and if convenient enclos to Manager, Hedges (Chemists), Ltd., Dale End, Birming

BIRMINGHAM.—Wanted, one qualified and one un Assistant for small branch in working district; mu good references. Full particulars to Atkinson, Chemist, Si Birmingham.

BIRMINGHAM.—Young man wanted as Junior in We Edgbaston suburb; good Dispenser; hours 9 to 8, Wed 1 o'clock, Saturdays 10; one hour's duty every other outdoors; to commence at 30s. per week; photo, please. Bellamy & Wakefield, Ph. Ch., Hagley Road Pharmacy, Ed

BRIGHTON.—An Assistant with Dispensing experien about 23 or 24, required in high-class business imm no N.H.I. Dispensing; comfortable home. Apply, with par to W. H. Gibson, 122 King's Road, Brighton.

BRIGHTON (near).—Assistant take charge, with or view to purchase; middle-class business; very ligh suit elderly gentleman. State age and salary required (o to Stroudwood, 62 Lyndhurst Road, Hove.

BRIGHTON.—Gentlemanly Assistant (indoors), unquali first-class Dispensing and Retail. State age, height, ence, references, and salary required to T. Read, 4 Terrace, Kingsway, Hove.

BRIGHTON.—Assistant wanted; unqualified; must be good Salesman and Dispenser; good opportunity for ment and progressive salary; state age, height, salary when disengaged; applications treated with confidence. 135 Queen's Road, Brighton.

CITY.—Young Junior Assistant wanted; outdoors; no or night duty; Saturdays 1.30. Apply, "X. Y. Holcombe Road, Garden Suburb, Ilford, Essex.

ASTER.—M. H. Stiles & Son have a vacancy for an rover or Junior; one used to N.H.I. Dispensing preferred. s nbove, stating full particulars and salary required 9).

OURNE.—Wanted, a good Junior Assistant; used to ensing; indoors. Enclose photo, state salary required, emple, 83 South Street.

P HOSPITAL FOR WOMEN, Sheffield.—Pharmacist ired; previous Hospital experience desirable. Applicating salary required, will be considered from either gentlemen, and should be forwarded as soon as possible ecretary. January 18, 1915.

STER.—Wnnted, unqualified Assistant, about 22 to 25 s of age, for Counter and Dispensing and N.H.I. in goodiness State salary and experience, Vince, Pharmacist.

POOL.—Junior, smart, about 21, for good-class cash busiin City; Dispensing experience; outdoors; no Sunday duty; School of Pharmacy. Full particulars to "Cascara," Thompson, Ltd., Hanover Street, Liverpool.

LLY.—Wnated, an Assistant. Please state age, salary ired, experience, and references, John Gower, Chemist, Street, Llanelly, South Wales.

N (10 miles out).—Unqualified Assistant, with N.H.I. exnce; outdoors; hours 9.30 to 9, with two hours off for nd tea; hours could be arranged to suit student; every off and one whole day a week. State age and salary, (189/35), Office of this Paper.

N.—Young qualified Assistant required immediately for ness in the City; must be good Dispenser. State age and quired, 187/032, Office of this Paper.

N.—First-class Manager required for West-End up-to-date ess; outdoors; salary and share of profits. Apply, Office of this Paper.

N (near).—Qualified Assistant wanted immediately; ble of taking charge. Please give references and state quired, J. E. Hyde, 10 Queen Anne's Place, Enfield.

N, N.—An Assistant, with a good knowledge of Disng and Counter, wanted at once; also Assistant to stock and make preparations. Please state age, referperience, and salary in first letter, or apply personally, & Vincent, 460 Holloway Road, London, N.

N.—Wanted at once Junior Assistant, about 20, for er and N.H.I. Dispensing. Apply, with full particulars required, Walker, Chemist, 78 East Road, N.

N.E.—Wanted, an unqualified young Assistant, used unter, with some N.H.I. Dispensing, and able to take en necessary; permanency; married preferred; good essential. Give full particulars, with salary required and when able to call for interview, to 191/24, Office per.

N.W.—Wanted, a capable and gentlemanly Second nt; one accustomed to high-class Retail and Dispensing Apply, with full particulars and salary required, ento if possible, or personal interview if convenient, y, 6 Canfield Gardens, Finchley Road, N.W.

N.W.—Wanted at once for a good-class Dispensing ail business, an experienced Assistant; one with knowhotography and Window-dressing preferred. Apply, l particulars, to T. J. Evans, Ph.C., 9 Royal Parade, een.

S.W.—Junior, accustomed to good-class business; le hours; comfortable surroundings. C. Lowe & Co., Surbiton.

S.W.—Unqualified Assistant (outdoors), age about 20, l-class Dispensing and Retail business. Photo and rs to Morrell, Pharmacist, West Park Crescent, Kew

S.W.—Junior Assistant, about 21, outdoors, by 22, for Counter, Stock, and Dispensing. Apply, rticulars, stating salary required, to A. T. Gray, t, Barnes.

S.W.—John Keall requires a qualified Assistant; age utdoors; must be a good Dispenser and Counterman; Apply, 68 West Hill, East Putney.

W.—Junior wanted at once for good-class Dispensing il business; outdoors or indoors. Apply, stating all ars, to Feltwell & Son, Chemists, Barnes, London,

LONDON, S.W.—Qualified Assistant (indoors) for senior position; must have had Dispensing experience; also Junior, qualified or unqualified. Apply personally, or give usual particulars, to Tupholme & Son, 1 Colcherne Terrace, Earl's Court, S.W.

LONDON, S.W.—Required, a Dispenser with the Minor qualification; age about 25 years; salary to commence 50s. per week; outdoors; hours of working approximately 8.45 a.m. to 6 p.m.; no Sunday duty. Write, giving full particulars of past experience, to 1,259, Sell's Advertising Offices, Fleet Street, London.

LONDON, W.—Junior Assistant required for high-class business; must be experienced in Dispensing; sleep in, board out. Details of age, experience, salary expected, with photo if convenient, to Pickford, 194 Holland Park Avenue, W.

LONDON, W.—Required immediately, Junior with good previous experience. Personal application preferred, or give particulars of previous engagements, age, height, salary required (outdoors), and when disengaged, photo if possible, Sharpe & Son, 34 High Street, Notting Hill Gate, W.

LONDON, W.—Continental Assistant required at once; must be good Counterman. Full particulars to 191/10, Office of this Paper.

LONDON, W.C.—Branch Manager (qualified) required for small shop; single-handed; outdoors; comfortable; satisfactory references necessary. Apply, "Gotham" (189/5), Office of this Paper.

LONDON Suburb.—Qualified gentlemanly Assistant, about 26, for first-class Dispensing and Retail; quick dispenser; good Counterman, business-like, well trained, and good worker; salary £3 per week (outdoors); position vacant next month. Enclose photo and fullest particulars, "Pushful" (191/22), Office of this Paper.

LYNDHURST.—Unqualified Assistant; permanent or Locum; accustomed to Dispensing. Full particulars in first letter, salary, experience, reference, etc., Willis, Pharmacist, Lyndhurst.

MANCHESTER District.—Qualified Assistant wanted; salary £3 per week and commission; must be quick and reliable and a good Salesman. State age, height, experience, references, and photo, 185/9, Office of this Paper.

MANCHESTER.—Qualified Manager required for a purely working-class business; good commission on profits offered to suitable applicant; married man preferred. 187/320, Office of this Paper.

MANCHESTER.—Wanted, qualified Assistant-Manager for good Retail, Dispensing business; good Counterman. State age, salary, references, etc., 189/40, Office of this Paper.

NEAR London.—Unqualified but competent Assistant required for good-class business, accustomed to Dispensing, Retail and Photographic; outdoors; permanency. State age, height, experience, and salary required, 188/39 Office of this Paper.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

NEAR Manchester.—Qualified man to fill permanent vacancy; Optical experience preferred but not essential; easy hours for competent man accustomed to quick Cash Retail and Dispensing. Send full particulars of experience and salary required to "E. S. M. C." (189/4), Office of this Paper.

NORTH WALES.—Managing Assistant; indoors; abstainer; one seeking permanency preferred. Apply, stating full particulars, Hughes, Chemist, Bethesda.

NORWICH.—Mr. Corder has a vacancy for an unqualified Assistant, young; outdoors; must have first-class references. Please state age and salary required, 31 London Street, Norwich.

PECKHAM, S.E.—Junior Assistant required for a brisk Retail and Dispensing business; one just out of apprenticeship would suit; easy hours; outdoors; two kept; also a Dispenser wanted for Thursday evenings, 7 to 9. Applicants please state age, experience, and salary required to 189/37, Office of this Paper.

PONTYPOOL, Mon.—Assistant, married, no family preferred, wanted early February; to live on premises; highest credentials; good worker; thoroughly reliable; abstainer preferred; business Mixed Light Retail. Apply, Godfrey C. Wood.

PUTNEY, S.W.—Wanted immediately, a Junior or Improver for a good-class Retail and Dispensing business. Apply, with full particulars, enclosing photo if possible, to Thos. Evans, Pharmacist, East Putney.

S.W.—Wanted, capable qualified Assistant in a good Dispensary business; permanency; outdoors. Apply, 189/1, Office of this Paper.

TORQUAY.—Junior Assistant, unqualified, indoors, for good-class Retail and Dispensing business. Apply, stating age, experience, references, and salary required, to J. Newlyn, Wellswood Pharmacy, Torquay.

WESTON-SUPER-MARE.—Wanted, reliable Junior in good-class Dispensing business; outdoors; duties light and hours easy; middle-aged man not objected to; good references essential. Apply, with full particulars in first letter, to Tydeman, Weston-super-Mare.

WEYBRIDGE.—A competent Assistant (outdoors) for high-class Dispensing business. State age, height, experience, references, salary required, etc., also enclose photo, E. T. Neathercoat, Pharmaceutical Chemist, Weybridge.

WIMBLEDON, S.W.—About February 1; Assistant for good-class Dispensing and Light Retail business; no N.H.I.; hours 8 to 8; indoors; weekly half-holiday. Apply, stating age, height, and enclose photo if possible, Blanchford, 76 High Street, Wimbledon.

YORKSHIRE.—Junior required for good business in the West Riding; permanency and progressive salary to a smart young man. 187/32, Office of this Paper.

YORKS, West Riding.—Qualified Manager required for business already making headway; permanency. State age, whether married, and salary required, 187/302, Office of this Paper.

A GOOD permanency, with reasonable hours, in suburb of large town, for capable Senior unqualified Assistant; accustomed to high-class Retail and Dispensing business. Full particulars of age, height, experience, when disengaged, and salary required (outdoors) to "Westcountry" (188/13), Office of this Paper.

ABOUT the end of January.—Assistant, about 22, with good Dispensing and General experience; outdoors; short hours. Apply, R. C. Harrison, Pharmacist, Grayshott, Hindhead, Surrey.

ASSISTANT wanted, with energy and ability; not eligible for Military service; permanency and good salary. Apply, Messrs. Timothy White Co., Ltd., Chemists, Portsmouth.

ASSISTANT (unqualified) wanted early February in good-class Dispensing and Retail business, where three Assistants are kept (duty equally divided), who live over premises under care of housekeeper; hours 8.30 to 9, Saturdays 10. Apply, giving full particulars, age, experience, salary, and enclose photo, Proctor, 5 Station Parade, Eastbourne.

ASSISTANT (outdoors), also Manager, wanted at once for old-established high-class business; no Sunday duty; hours 8 to 8. State salary required, references, age, height, experience, and enclose photo, to W. H. Pearson, Chemist, Cornmarket Street, Oxford.

ASSISTANT, 20 to 22, for good-class Light Retail and Dispensing business; easy hours. Send fullest particulars and references, photo if convenient, and state salary required (indoors or out), A. G. Reid, Petersfield, Hants.

ASSISTANT required, about middle of February, for high-class Dispensing business (outdoors), with good Dispensing and Counter experience. Send full particulars, with photo, and state salary required, to Pugh, Chemist, Buxton.

ASSISTANT, whole or part time, for first-class business near St. James's Street; good experience, etc. Apply, Mr. R. A. Robinson, 205 Brompton Road, London, S.W.

ASSISTANT, not under 22; must have had all-round experience in good-class business; outdoors. Davies & John, 15 Old Bond Street, Bath.

ASSISTANT (unqualified) wanted, 25 to 40; permanency for good man; must be smart and used to quick Dispensing and Counter business; wage £2 per week; Photo experience preferred; must have good references. Apply, Baker, Chemist, 87 and 89 Shields Road, Newcastle-on-Tyne.

ASSISTANT for Drug and Surgical Appliance Stores; used to Extracting, taking Impressions, and general Surgery work. Apply by letter, giving references, salary and commission expected, age, etc., to Russell, "Kentish Independent," Wellington Street, Woolwich.

AT Once.—Junior or unqualified Assistants wanted (outdoors) in high-class Retail and Dispensing business; no heavy trade. Apply to A. Elliott Sewell, Chemist, Huntingdon.

BRANCH Manager.—Capable qualified man required, of gentlemanly appearance and address; good Salesman, Dispenser, and Window-dresser, and used to a good-class business. Applicants please send full particulars of age, height, experience, salary required (outdoors), and if convenient enclose photo, to Manager, Hedges (Chemists), Ltd., Dale End, Birmingham.

DISPENSER-BOOKKEEPER wanted, male or female. Apply, Dr. Cropley, Northampton.

DOCTOR requires Dispenser (lady); evenings 6-9; salary 15s. weekly. Apply by letter, giving references, etc., to "Doctor," 36 New King's Road, Parson's Green, S.W.

EXPERIENCED Dispensing Assistant required immediately. State age, height, experience, and salary required (outdoors), Duck & Son, Chemists, Cardiff.

EXPERIENCED Dispenser wanted for a City business; outdoors; short hours; no Sunday duty; salary £130. Apply, 191/8, Office of this Paper.

GENTLEMANLY Junior (in- or out-doors) for Dispensing business. State age, height, experience, and enclose photo, to George & Welch, Pharmaceutical Chemists, Worcester.

IMMEDIATELY.—Competent Assistant, chiefly for Dispensing; must have had good experience in best class of trade. W. Ive, 115 Gloucester Road, South Kensington, S.W.

IMMEDIATELY.—All-round Assistant for good-class country business; outdoors. Apply, with usual particulars, to Ellwood & Son, Chemists, Leominster.

JUNIOR or Improver required. 185/17, Office of this Paper.

JUNIOR; unmarried; unqualified; indoors. Shepperd, Pharmacist, Barnstaple.

JUNIOR Assistant wanted at once (outdoors) for Light Retail and Dispensing. Apply, stating age, height, salary required, and reference, Charrington, Chemist, Lichfield, Staffs.

JUNIOR required for branch; good Counterman and Window-dresser. State age, experience, reference, salary required (outdoors), and when disengaged, Bird, Chemist, 156 Spon Street, Coventry.

JUNIOR Assistant for suburban branch; working-class population; outdoors. State age, height, experience, and salary expected, enclosing photo if possible, to Mathews & Son, Pharmacists, 722 High Road, Leytonstone, N.E.

JUNIOR or Improver wanted at once; one just completed apprenticeship would suit. Full particulars, photo first letter, Lester & Williamson, Chemists, Foleshill Road, Coventry.

JUNIOR Assistant wanted for branch; no Sunday duty. Apply, Lands, Chemists, Coalville, Leicester.

JUNIOR or Improver; Dispensing, Photo, and General Seaside Retail. Particulars to C. H. Thomas, Holman, Ham & Co., Ltd., Exmouth.

JUNIOR; good appearance and address; smart Counterman. Maunder, Chemist, Teignmouth.

JUNIOR or Improver; must be reliable and active. Give full particulars and when disengaged, Cook, Chemist, Nottingham.

JUNIOR or Improver wanted; outdoors. Please state in first letter full details as to height, age, experience, references, and salary required to W. Hunt, Chemist, Belgrave Market, Ilford, Essex.

JUNIOR Assistant or Improver wanted for Retail and Dispensing business; light hours; no Sunday or night duty; Wednesday half-holiday; in pleasant country town; must have good references. State age, height, salary, when at liberty to J. Thornton, Pharmaceutical Chemist, Evesham Street, Redditch.

JUNIOR Assistant, unqualified, outdoors, for good-class business; good Counterman and Window-dresser, with some knowledge of Photography; applications from capable lady Assistants would be entertained; hours 8 to 7.30. Saturdays 1 p.m.; no Sunday duty; Senior and Apprentice kept. Apply, with usual particulars, stating salary required, enclosing photo, to W. I. Gradidge, Pharmacist, Andover.

LEWIS & BURROWS have vacancies for good Assistants, qualified and unqualified. Apply to 146 Holborn Bars, E.C.

MANAGER wanted for branch; good salary and commission to capable man. Chas. Thompson, Pharmaceutical Chemist, Sparkbrook, Birmingham.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist as Manager; not eligible for Military service; easy hours; good and progressive salary, with excellent prospects.

PHARMACIST (lady) to act as Hospital Dispenser and Laboratory and Photographic Assistant; must hold one of the qualifications of the Pharmaceutical Society; salary begins at £104 a year and rises £2 annually to £132; no deduction from salary towards pension. Apply, stating age, qualification, and training, with photograph and copies of testimonials, to Physician Superintendent, Crichton Royal Mental Hospital, Dumfries.

PHOTOGRAPHY.—Junior, able to undertake Developing and Printing and assist at Counter when required; South of England; outdoors. Apply, stating salary required, to "Driplate" (183/20), Office of this Paper.

QUALIFIED Chemist required for Dispensing duties; hours 8 a.m. to 6 p.m.; outdoors; permanency; commencing wages £2 17s. 6d. References and full particulars to Manager, Junior Army and Navy Stores, Ltd., Union Street, Aldershot.

QUALIFIED Assistant, accustomed to good-class Light Retail and Dispensing business. Please state age, height, experience, and salary required to Prebble & Bone, Chislehurst.

QUALIFIED Manager for Branch in Colliery district, early in January; abstainer; permanency. Age, experience, and salary required to D. George, Chemist, Pentre, Glam.

QUALIFIED.—An active young man as Branch Manager. State salary and experience, R. Needham, Chemist, Stalybridge.

QUALIFIED Assistant wanted immediately. Apply, with photograph (to be returned), giving full particulars and saying salary required (outdoors), G. Elliott & Son, Pharmaceutical Chemists, Walsall.

QUALIFIED Assistant (outdoors), with experience in high-class Dispensing; age about 30. State salary required and references in first letter to 187/7, Office of this Paper.

QUALIFIED Assistant wanted, aged about 25 years, for City of London business; must be a quick, accurate, and reliable Dispenser; hours 8.30 a.m. to 7 p.m., Saturdays 1.30 p.m.; no Sunday or Bank Holiday duty; salary £130 per annum, with annual increases of £10 to £150. Apply, stating usual particulars, to "B." (186/16), Office of this Paper.

REQUIRED at once, a good steady Junior Assistant; well up in Dispensing and Photo work; good Window-dresser; hours easy; no Sunday duty; half-day Thursdays. Full particulars in first letter, photo, and salary required, Newton & Co., Chemists and Opticians, Yeovil.

REQUIRED, young qualified Assistant. Full particulars to Holman, Ham, Exeter.

REQUIRED, an Assistant, just passed examination, for good General trade, N.W. district; live out. Apply, with reference, "X. Y. Z." (191/2), Office of this Paper.

SMART Assistant wanted at once; unqualified; indoors; used to good-class Dispensing and Photography. Apply, giving fullest particulars as to salary required, experience, etc., to Cruse & Co., Ltd., 7 The Strand, E. Southsea.

T. BRIGHT, Pharmacist, 168 Church Road, Willesden, N.W., requires an Assistant (indoors) for Light Retail, Dispensing, and National Insurance Dispensing; also a Part-time Evening Assistant, or other assistance can be arranged. Please state full particulars as to experience and other usual details, also salary required; staff—two Assistants and Proprietor.

UNQUALIFIED Junior Assistant, or lady with Hall qualification, for Light Retail and Dispensing business; no Sunday or after-business duty; healthy locality; outdoors; inexpensive lodgings obtainable. Apply, stating age, salary required, and all usual particulars, to J. H. Herington, Pharmacist, Dunstable, Beds.

UNQUALIFIED Assistant wanted as Second Hand; outdoors; willing, industrious man; good Dispenser, Stockkeeper, and Counter hand; age about 40. State wages required and whether married or single, send copies of references and photo (which will be returned), "Cardiff" (189/11), Office of this Paper.

UNQUALIFIED Assistant; Light Retail and Dispensing; immediately. Apply, giving full particulars, 187/31, Office of this Paper.

WANTED, a reliable unqualified Assistant for a good-class country Retail; outdoors; must have good references. Apply, giving usual particulars and photo if possible, to Benjamin, Chemist, Ross-on-Wye.

WANTED, a smart unqualified Junior for a good-class business near London; easy hours. Apply, stating full particulars, to "Thymol" (186/31), Office of this Paper.

WANTED, smart Junior. Apply, with usual particulars, to D. Thomas, 128a Penarth Road, Cardiff.

WANTED, Junior Assistant for good-class Dispensing and Retail business; indoors; N.S.I. Apply, giving age, references, experience, and salary required, enclosing photo if possible, to B. Salter & Son, Chemists, Shrewsbury.

WANTED at once, energetic young man for Dispensing and Counter; other kept. Apply, with full particulars, to J. P. Harrison & Son, Salisbury.

WANTED, an Assistant (unqualified) for Retail and Dispensing; outdoors. Full particulars to Clare & Hunt, Scarborough.

WANTED, Assistant; qualified preferred; good Counterman and Dispenser; outdoors. State age, particulars of experience, salary required, etc., to A. J. Wing, Pharmacist, 69 Powis Street, Woolwich, S.E.

WANTED, experienced Assistant, about 35; qualified or unqualified; accustomed to high-class Retail and Dispensing. Full particulars and salary required (outdoors) to J. A. Brown, Succ. to S. J. Weston, 151 Westbourne Terrace, Hyde Park, W.

WANTED, Manager for Branch; qualified; married preferred; salary £3; short hours. Full particulars to W. Parry Williams, Chemist, Bargoed, Glam.

WANTED, one qualified and one unqualified Assistant; indoors. Apply, with full particulars, to A. Milne, Montpellier, Cheltenham.

WANTED, two capable, experienced Juniors (outdoors), accustomed to high-class Dispensing and quick Counter, where qualified are kept; hours 8 to 8, Saturdays 10; one Sunday in three, 6.30 to 7.30, evenings only; one day a week off at 1 o'clock. State age, height, salary required, experience, when disengaged, Dixon & Sons, Chemists, East Grinstead.

WANTED, Manager or Partner, with view to succession, for genuine high-class Chemist's and Optician's business, where two Assistants are kept; qualifications in both departments necessary; large capital not needed, but an up-to-date man essential; this is a unique opportunity. Apply, 188/25, Office of this Paper.

WANTED, Assistant, Part-time; near Schools; duties entirely Dispensing; must be thoroughly capable. Apply, 186/24, Office of this Paper.

WANTED, Lady Assistant, accustomed to Dispensing and Photographic trade and Bookkeeping, for good-class country business in West Midlands. Apply, with full particulars, to "E. W." (189/12), Office of this Paper.

WANTED, Junior Assistant at once (indoors), age 18-20, in good-class Dispensing business; no Insurance work; youth who has passed Preliminary and is not eligible for Army service preferred. Wyatt, Pharmaceutical Chemist, Bootle, Liverpool.

WANTED, Junior Assistant, male or female, for suburban business; outdoors. Apply, with full particulars, to 191/21, Office of this Paper.

WANTED for two months or longer, a gentlemanly Assistant, about 23; must be well up in Dispensing, neat and accurate, and accustomed to high-class business. Please send usual particulars to A. Waldron, Milverton Pharmacy, Leamington Spa.

WANTED immediately, Junior Assistant for Light Retail and N.H.I. Dispensing business; must have had good previous experience; quick and accurate Dispenser; age about 30; outdoors; day off weekly; every other Sunday evening duty. Full particulars, Davies & Co., 344 Caledonian Road, King's Cross, N.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

LONDON, S.W.—Required, an Assistant, with a good knowledge of Proprietary Articles, Patent Medicines, and Druggists' Sundries; accustomed to putting up orders preferred; age about 25 years. Write, giving full particulars, past experience, and salary required, to 1,258, Sell's Advertising Offices, Fleet Street, E.C.

COUNTER hands wanted in London house, with experience of either Wets or Drys; liberal and progressive wages. Apply, stating full particulars of experience and age, to 191/39, Office of this Paper.

COUNTERMEN (Wet and Dry) required at once; good wages. Apply, with full particulars, to "W. M. C." (238/71), Office of this Paper.

ENTERING or Invoice Clerk, with experience of Sundries, required by London Wholesaler. Write, with full particulars, to "Panel" (238/72), Office of this Paper.

INVOICE Clerk wanted at once by the British Drug Houses, Ltd. Apply, with full particulars, to the Head Clerk, Graham Street, City Road, N.

JUNIOR Invoice Clerk required; must be quick and accurate at figures; previous experience absolutely necessary. Write, stating fullest particulars, to C. Harker, Stagg & Morgan, Ltd., Devon Wharf, Emmott Street, Mile End, E.

LABORATORY Assistant required; good prospects. State age, salary expected, experience, etc., Timothy White Co., Ltd., Portsmouth.

LADY Clerk required, with some Pharmaceutical knowledge. Apply, "E. S.," The British Drug Houses, Ltd., Graham Street, City Road, N.

LONDON Manufacturing Druggists have a vacancy for a Representative calling upon Doctors in the Home Counties (outside London area); representation would be confined to Chemical and Pharmaceutical products, and applications from those already carrying other lines would be entertained; a sound and established connection essential; basis of remuneration would be commission. Please state fullest particulars in first communication, in confidence, "S." (186/15), Office of this Paper.

PACKED Goods and Counter Specialities Department.—Unqualified man required for the provinces as Second Hand; one experienced in controlling girls preferred. State experience, age, and salary required, 230/73, Office of this Paper.

PILLS.—A reliable and experienced Pill Maker wanted; thoroughly efficient in the use of modern and up-to-date power plant. State age, experience, and wage required to "P." (186/17), Office of this Paper.

REQUIRED immediately, two smart Travellers for Provinces to sell Vacuum Flasks and Lysol; competitive line; must have established connection; small salary and commission; a non-competitive agency not objected to. Full particulars (otherwise ignored) to 238/20, Office of this Paper.

REQUIRED immediately, by a City firm, a young man holding the Minor qualification; well versed in Materia Medica and Therapeutics. Apply, stating age and salary required, to 239/13, Office of this Paper. Enclose photograph (to be returned).

TINCTURE Maker.—Young man, experienced in making Tinctures in large quantities, required at once for London house; good prospects for a smart man. Apply, stating full particulars, to "W. M. C." (238/071), Office of this Paper.

TRAVELLER wanted for Ireland; knowledge of Soap and Perfumery trade essential; one with experience and connection on the ground preferred. Address, "Ireland," The Crown Perfumery Co., Sidney Road, Homerton.

WANTED at once, competent Junior Assistants for the Wet Counter; state age, experience, and salary required. Apply, Lofthouse & Saltmer, Ltd., Wholesale Druggists, Hull.

WANTED, thoroughly competent Invoice Clerks for Wholesale Drug house in Liverpool. Apply, "G. W. S.," Box 73, Post Office, Liverpool.

WANTED, Assistants for Wet or Dry or Despatch Counters. Apply, giving particulars, salary required, etc., "Apiol" (188/27), Office of this Paper.

WANTED by Wholesale Manufacturing Chemists, Clerk, age 25 to 35; good at figures and detail work; highest references essential; salary according to capabilities. Apply, 189/28, Office of this Paper.

WET Counter.—Provincial Wholesale house requires experienced worker; must have highest personal character and be efficient; preference given to married man above military age; moderate wages, but permanency if suitable. Apply with full particulars and references, stating present salary and reasons for change, to 188/36, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for **50** words or less; **6d.** for every **10** words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

CLERK wanted for service in Rhodesia: well educated; unmarried; age not over 32; Shorthand, Typewriting, and good Bookkeeping essential; applicants with knowledge of Chemists' accounts preferred; four years' agreement; salary £240, £260, £280, £300; second-class fare paid out. Apply by letter, stating age, experience, and enclosing copies of testimonials or giving references, to "Pharmacy," c/o Tozer, Kemsley & Fisher, Ltd., 84 Fenchurch Street, London, E.C.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.] RETAIL.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

A THOROUGHLY up-to-date Counterman, Dispenser, and Prescriber requires engagement; accustomed to management; highest references; unqualified. "Vinton" (135/32), Office of this Paper.

AN unqualified Manager, 25, married, disengaged, no Dispensing, wants permanency (rejected for Army) to manage Drug Stores. J. J. Smith, 8 Vaughan Road, Loughborough, London, S.E.

APPRENTICE (21) requires situation as Improver in good Dispensing business; 4 years' experience of Dispensing, Stock, and Counter; reliable; good references. 185/3, Office of this Paper.

ASSISTANT; 23; disengaged; well experienced; capable; capital references; London. State salary, hours, etc., "Hamamelidis," 8 Cavendish Road, Croydon.

ASSISTANT, unqualified, 27, tall, good appearance, thoroughly experienced, excellent references, disengaged, desires permanency; London or South preferred. "Surrey," 39 Kingswood Road, Wimbledon, S.W.

ASSISTANT; 23; unqualified; outdoors; London experience; excellent knowledge of high-class Dispensing; London preferred; disengaged soon. 184/22, Office of this Paper.

ASSISTANT; 25; unqualified; disengaged; London preferred. "Statim," 29 Keswick Road, Blackpool.

ASSISTANT, unqualified, 31, desires permanency; thoroughly experienced and reliable; smart Counterman and Prescriber; can take charge. "Salol," 16 Stamford Road, Longsight, Manchester.

ASSISTANT, Management, or Relief; outdoors; London district; single; thoroughly competent and reliable; active; willing; could work up neglected (non-poisonous); disengaged in few weeks. "Chemicus" (187/20), Office of this Paper.

BRANCH Manager or Assistant; capable Salesman; London only; unqualified; single; abstainer; 42; 5 ft. 10 in.; all-round experience. "Hodie," 10 Alfearn Road, Clapton, London.

BRANCH Manager or Assistant; all-round experience; N.H.I.; unqualified; tall; 32; London, North, or Midlands. Haigh, 6 Haywards Road, Haywards Heath.

CHEMIST with certificates; middle-aged; single; somewhat infirm; terms to suit; permanency. "London" (189/26), Office of this Paper.

DISENGAGED; unqualified; 28; tall; active; 13½ years' sound experience; reliable references; permanency. Davidson, 99 Babington Road, Streatham, S.W.

DISPENSER; qualified; Hospital, Doctor's, Dispensary. Irving, 66 Rowfant Road, Balham, S.W.

DISPENSER or Assistant; disengaged to 3.30 p.m. Stovell, 4 Handforth Road, Brixton Road, S.W.

DISPENSER or Assistant Manager; first-class experience. "Dispenser," 58 Malvern Road, West Kilburn.

DISPENSER (unqualified), Bookkeeper; educated lady (26) seeks situation in London. 182/32, Office of this Paper.

EVENINGS; West End or any district; or Doctor; all classes; resident North. 179/23, Office of this Paper.

EVENINGS (four); qualified; married; will accept living accommodation as payment; London. 188/24, Office of this Paper.

GENTLEMAN requires engagement as Dispenser, Surgery Assistant, or similar capacity, or Part-time with Chemist; Bishop Auckland neighbourhood. "Medicus," 9 Victoria Crescent, Cockton Hill, Bishop Auckland.

JUNIOR Lady Dispenser; Apothecaries' Hall; part or full time. 187/35, Office of this Paper.

LADY Dispenser, Hall certificate, good experience, desires post. "Hydrargyri" (185/6), Office of this Paper.

LADY (Minor) desires in March light evening work (London). State salary, hours. 188/6, Office of this Paper.

LADY Junior (Apothecaries' certificate) requires post as Dispenser to Medical man or in Hospital; knowledge of Bookkeeping. "Dispenser," 26 Durdham Park, Bristol.

LADY Pharmacist requires engagement; London or near. 191/17, Office of this Paper.

LOCUM; disengaged; Wednesdays and Fridays; trustworthy. "Qualified," 116 Galloway Road, Uxbridge Road, W.

LOCUM; qualified; Chemist or Institution; abstainer; experienced. "X.," 9 King's Cross Road, W.C.

LONDON.—Qualified Assistant; experienced; 24; outdoors. "Litmus," 4 Ferndale Road, Clapham.

M.P.S., experienced (35), single, requires change; Manchester district; energetic, wide-awake, tactful; Branch or Senior; good salary required. 188/37, Office of this Paper.

M.P.S. (young), first-class West-End and all-round experience, energetic, seeks responsible position. 189/10, Office of this Paper.

MANAGER; 32; married; Photo and Optic experience; disengaged. "Pharmacist," c/o Mr. Jones Baker, Pillowell, Lydney, Glos.

MANAGER; qualified; married; middle-aged; 5 ft. 11 in.; good all-round experience; permanency; disengaged; London or district. "Pharmacist," 21 Minster Road, Cricklewood, N.W.

MANAGER or Locum; qualified; 44; all-round experience. "Aspirin," 2 Chapel Street, Tavistock.

MANAGER; qualified; good all-round experience; with view to early succession preferred. "Statim" (188/19), Office of this Paper.

MANAGER; qualified; tall; experienced; Portsmouth or district preferred. Wilson, Tredegar Hotel, New Tredegar.

MANAGER; middle-aged; highest references; active, obliging, competent. "Minor," 86 Battersea Rise, S.W.

MANAGER or Assistant; qualified; tall; 31; good all-round experience; Store line preferred; London or North England. Gibson, 3 Maclise Road, West Kensington.

MANAGING Assistant; 29; married; disengaged; good experience and references. Cook, Round Hills, Sutton-in-Ashfield, Notts.

ONE POUND weekly and Dispensing fees (10 daily); qualified; 41; single; permanency. "Minor" (189/260), Office of this Paper.

PART-TIME, evening preferred; qualified; London or large town. 191/27, Office of this Paper.

PART-TIME; unqualified; age 24; 9 years' experience; quick and accurate Dispenser; excellent references. Martret, 22 Cuthill Road, Denmark Hill, S.E.

PART-TIME; one or two days a week; excellent references. "F. E.," 3 Camden Road, N.W.

PHARMACEUTICAL Chemist (Irish qualification) desires permanency; London; outdoors; age 37 years; height 5 ft. 8½ in.; 19 years' varied experience; excellent references; abstainer. 184/15, Office of this Paper.

PHARMACEUTICAL and Analytical Chemist desires responsible post; good experience; highest references. 188/32, Office of this Paper.

QUALIFIED, gentlemanly appearance, willing, reliable, and an effective Salesman, requires post as Manager or Assistant; good salary and reasonable hours. 185/19, Office of this Paper.

QUALIFIED; elderly; cover; all-round experience; references. Powell, 15 Shrewsbury Road, Forest Gate.

QUALIFIED; Locum, permanency; 36; married; Counter, Dispensing; disengaged. Stewart, 3 Elborough Street, Southfields, S.W.

QUALIFIED as Locum, Manager, or Assistant; good experience, both in London and country; middle-aged; excellent references. Scholey, Burnham Market, Norfolk.

QUALIFIED Dispenser, Retail, N.H.I., and Dental experience, requires Locum or permanency; disengaged 27th. Bind, Electra Pharmacy, Haslemere.

QUALIFIED; Assistant or Manager; high-class Dispensing and Counter experience; 4 years West End. Merrick, "Album View," Moat Street, Wigston Magna, Leicester.

QUALIFIED Assistant (22) wants situation at once; excellent reference; active, energetic. Apply, "Redo," Hillcrest, Burnopfield, Newcastle-on-Tyne.

QUALIFIED; Locum, three or four days weekly, or temporary or permanent Manager; outdoors; London or Suburbs. Lindley, 6 Alric Avenue, Harlesden, N.W.

QUALIFIED; 31; good Dispensing and Counter experience; London preferred; disengaged February 5. "Radium" (189/25), Office of this Paper.

QUALIFIED; Manager or Senior; not liable to service; excellent references and experience; disengaged early February; North or Midlands preferred. Address, 188/5, Office of this Paper.

QUALIFIED desires permanency; disengaged; London, provincial experience; energetic, obliging. Address, 189/39, Office of this Paper.

QUALIFIED; 21¾; total abstainer; good experience of middle and working class trade; N.H.I. Dispensing. 186/32, Office of this Paper.

QUALIFIED; 27; tall; smart and competent; last two references two years each. 189/22, Office of this Paper.

QUALIFIED; single; age 43; energetic and trustworthy Manager; permanency; Partnership or succession entertained. 191/28, Office of this Paper.

QUALIFIED elderly gentleman requires appointment; light (Counter) duties and to supervise Dispensing. Full details to avoid unnecessary correspondence to "Manager" (191/7), Office of this Paper.

RELIEF; mornings only; Retail or Surgery; S.W. district; unqualified. "Alpha," 47 Staines Road, Sunbury-on-Thames.

RESPONSIBLE Assistant (23), possessing first-class French-Swiss and German-Swiss references, wants post in England with Manufacturer or good-class Pharmacy. A. Kamp, "Home," Neuchatel (Suisse).

UNQUALIFIED; Dispensing; thoroughly experienced; 27; excellent references; South Coast preferred. 189/6, Office of this Paper.

WANTED by a reliable competent qualified man (27), a permanency; every satisfaction can be given as to ability, etc.; London or Suburbs. 189/202, Office of this Paper.

WHOLESALE.

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A REPRESENTATIVE of experience, with very large connection among all the best Wholesale and Retail Chemists, Grocers, and Stores in the North of England and Scotland, is disengaged; he has intimate knowledge of the requirements and possibilities of the Chemist's trade in all its branches. 188/29, Office of this Paper.

ACTIVE Foreman for Chemical Works, with all-round experience, wants position of trust; would undertake to improve neglected business; London only. "Carpe Diem" (179/17), Office of this Paper.

ADVERTISER, with expert knowledge of Rates, Routes, Charges, Classifications, and Correspondence, seeks situation as Despatch Clerk; able to take charge; long experience in Parcels Traffic Office of prominent Railway Company. G. Liddell, "Fotheringay," Pembroke Road, Wembley.

ADVERTISER; 16 years' sound Wholesale experience, manufacturing Galenicals, Proprietaries, Toilets, etc.; well recommended; Lancs or Yorks preferred. "J. H. M.," 4 Summer Road, Netherton, near Huddersfield.

ADVERTISER (36), with 22 years' experience, Patents, Druggists' Sundries, Proprietary Articles, and Toilet Goods, at present engaged as checker, desires change; would like to get outdoors as Stocktaker or similar engagement (but not essential); London. 186/19, Office of this Paper.

GENTLEMAN, with London and Suburban connection, requires Agency for good line which wants pushing. 186/18, Office of this Paper.

LABORATORY Manager (15 years), 25 years' Laboratory work, age 40, shortly desires change; qualified; Doctors' and Heavy Manufacture; London experience; spirit economy practised; permanency. "Centimil" (189/19), Office of this Paper.

QUALIFIED Chemist, Spaniard, writing English and French, with London and Paris Pharmacy experience, residing Madrid, calling already for one Proprietary Medicine on Doctors and Chemists in Spain, is open to Represent another Pharmaceutical firm in Spain; London references. 235/47, Office of this Paper.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

1s. for **12** words or less; **6d.** for every **10** words beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

A YOUNG Scotsman would like situation abroad, America or Australia preferred. "Yne," 111 Norroy Road, Putney, S.W.

Refugee Belgian Pharmacists.

This section is devoted to the announcements of Belgian confrères at present in this country. We shall be pleased to insert gratis announcements of a similar character from others who are seeking situations in the Drug trade.

Cette section est réservée pour les annonces des confrères belges qui se trouvent actuellement dans ce pays. Nous serons heureux d'insérer gratis des annonces semblables de ceux cherchant des places dans le commerce des drogues.

ANALYTICAL Assistant.—Advertiser, who holds the diplomas in Chemistry and Electricity of the Ecole Industrielle at Antwerp, requires a position in England until the end of the war; disengaged February 1; London references; has an intimate acquaintance with German scientific literature. J. Edmond Aps, c/o Mr. Scholes, Oxo, Ltd., 43 to 51 Park Street, Southwark, London, S.E.

BELGIAN Analytical Assistant, with skilled knowledge of good Manufacture and Analysis, seeks employment; would prefer situation with those Manufacturers who would possible open a branch in Belgium after the war. J. Edmond Aps, c/o Mr. Allen, 7 Oriental Street, Poplar, E.

DRUGGIST, with knowledge of Wholesale Pharmacy, desires employment; speaks French, Flemish, and a little English. Ed. Merckx, Diamond Cottage, Bathampton.

PHARMACIST, whose Pharmacy at Aerschot has been destroyed, desires situation in London; Retail or Wholesale; speaks English, French, Flemish, Dutch. Address, E. Ingebos, 10 Evelyn Mansions, Queen's Club Gardens, West Kensington.

PHARMACIST, Belgian refugee, Chemical expert and technical ex-director of Laboratories in Brussels, desires to get in touch with Manufacturers of Chemical products and Laboratory, Medical, and Surgical Apparatus with a view to Representation in Belgium and in France after the war. Address, T. Debin, 83 St. Giles' Street, Northampton.

MISCELLANEOUS.

MoADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 81 Lee Green.
Shares for Sale (free of commission, subject).—50 British Oxygen Ordinary, 35*s.* 6*d.* (dividend and bonus last year 20 per cent.); 50 W. J. Bush Preference, 82*s.* 6*d.*; 200 Ilford Ordinary, 11*s.* 9*d.*; 100 Venos Drug, 18*s.* 9*d.*
Wanted (subject).—200 Wright Layman Preference, 20*s.*; 100 Allenbury "A" Preference, 21*s.* 7½*d.*; 100 "B," 21*s.* 4½*d.*; 50 "C," 21*s.* 1½*d.*; 50 W. J. Bush Preference.
Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

BUSINESS as Usual: Great War Reductions.—H. Mills, the Chemists' Shopfitter, has a large stock of second-hand modern high-class Drug Fittings, Dispensing Screens, Counter Cases, Glass-fronted Counters, Wall Cases, etc.; absolute bargains; suitable for large Stores or Chemists commencing; cheapest house for modern Shop-fronts, Improvements, Window Enclosures, Glass Shelves; designs, estimates free. MILLS, Shop Front, Shop Fitting, Glass Façia Works, 163-5 Old Street, London, E.C. 'Phone 550 London Wall.

SECOND-HAND Chemist's Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

BEST cash price paid for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S.E. Hackett, 23 July Road, Liverpool, E.

McQUEEN'S A.B.C. System of Accounts; works out profit and loss account, income-tax return, etc., with guaranteed certainty; heavy war-tax and greater insistence in payment must be anticipated; poor bookkeeping may prove costly. Full particulars and testimonials free from McQueen & Co., Moat Road E., Leicester.

B.P., 1914, 10s. 6d. net cash; postage 5d., two copies 6d., three 7d.; abroad 9d. each; previous offers withdrawn. New and second-hand Books in every department of literature; Chemists' and Students' requirements a speciality; buyers, please name wants, when prices will be quoted. Stirling's Aids to Minor and Apothecaries' Examinations are indispensable, and save College fees; descriptive list free. Gower, Pharmaceutical Bookseller, 41 Voltaire Road, Clapham, London.

DUTCH Seaweed supplied wholesale by A. Eelman, Rustenburgerstraat 418, Amsterdam, Holland.

SHOWCASES and Shopfittings (second-hand), all ready for instant despatch: 12-ft. Mahogany and Plate-glass fronted Counter, £8 7s. 6d.; 7-ft. very handsome Dispensing Screen, Counter, and Sponge Case, all Mahogany and Plate-glass, £14 10s.; Perfume Case and Desk, 40s.; 4-ft. Mahogany and Bent Plate-glass Counter Case, with Display Shelves, 65s. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

SECURE THE BEST SHARE OF THE TRADE IN YOUR DISTRICT.

This Special Sample Offer of our "INVINCIBLE" SERIES will give you satisfaction and ensure an effective display.

FOR: 3/3 Carr. Paid. | 1. 20 × 12 Art Tint, with Hand-drawn Figure Sketch coloured, for Coughs, Influenza, Neuralgia, Indigestion, Rheumatism, &c. Also 1. 15 × 10 Beautifully Designed Panel Card in plain Black or Coloured Lettering. 2 Prices on each Limit. One set only supplied to each Chemist at this price.

F. MERTEN & CO., 72 Marlborough Rd., Holloway, London, N.

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

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FOR DISPOSAL.

BOOKS AND PERIODICALS.

FOR disposal, "Pharmaceutical Journal," commencing this year, 5s 6d. per annum. Lloyd, Chemist, Lewes.

DRUGS AND CHEMICALS.

FOR sale, 14 oz. cocain. hyd. at 8s. 6d. oz. Cook, Roundhills, Sutton-in-Ashfield.

14 lb. mercury at 3s. 1d. lb. carriage paid. Wilson, 48 Standishgate, Wigan.

2 oz. morphia hydrochlor., 14s. oz.; 2 oz. cocain. hyd., 8s. 6d. oz., 3 oz. hedinal, 2s. 6d. oz.; wanted, Chapman's oils, 2s. and 2s 6d. State price, Finlayson, Pharmacist, Stockton-on-Tees.

MISCELLANEOUS.

BEDSIDE table, adjustable, good condition, 10s. Starmer, Chemist, North Finchley.

SALTER'S weight and height registering machine, up to 20 stones, for sale cheap. Offers to Medical Hall, Tarbert, Argyll.

WANTED.

WANTED, 5-gr. pill machine, in good condition. Parry Williams, Chemist, Bargoed.

RADIUM applicators (damaged). Glew, Chemist and Radiographer, 156 Clapham Road, London.

"CHEMIST and Druggist," January 2, 1915; 4d. offered for clean copies. Post flat to "S. B.," Office of this Paper.

WANTED, dental chair; must be in good condition. Particulars to Dodridge, Pharmacist, 47 Victoria Road, Woolston, Hants.

WANTED, folding and vest-pocket cameras, also prism binoculars, any quantity, for cash. Full particulars to Watson's, 84 High Street, Sheffield.

WANTED, 2-in. ungt. jars, with tin lids, good condition; also pair field glasses, ×8, Goertz or Zeiss. Henshaw, Chemist, Wyle Cop, Shrewsbury.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.

ADDRESSES WANTED.

PRESENT address of Mr Philip H. Crewe, Chemist. Replies to 237/27, Office of this Paper.

Almanacs and Calendars.

This column is for brief mention of annual souvenirs presented by retailers to their customers, or issued by manufacturers and wholesalers. Specimens for notice should be addressed to the Editor of the *C. & D.*

THE CALENDAR sent out by John Bell & Croyden, Ltd., dispensing chemists, 50 Wigmore Street, London, W., is in the form of a stout card (10 in. by 8 in.), with a monthly tear-off calendar attached. On the upper part, printed in red, are given the important variations of strengths of galenicals included in the British Pharmacopœia, 1914. On the back is a list of British synonyms for foreign drugs. It forms a particularly useful calendar for a doctor's consulting-room.

RIDLEY'S ALMANAC, 1915, which is sent out by Thomas Ridley & Son, chemists, Carlisle, maintains the standard of former years. The issue consists of 10,000 copies, and the proceeds from the sale of the almanac are to be devoted to War Relief Funds. Usually the almanac is distributed free, but, following the precedent set during the South African War, a charge of 1d. is made for the benefit of national funds. Portraits are given of Mr. T. Ridley and Mr. T. M. Ridley, the two partners in the business.

College Notes.

ELT'S COLLEGE, NORTH FINCHLEY, LONDON, N.—The usefulness of the College Botanical Garden has been increased by the extension of the beds of *Atropa Belladonna, Valeriana officinalis, Aconitum Napellus,* and *Althæa officinalis.* Some fine specimens of *Juniperus communis* and *Juniperus salima* have also been added.

SOUTH OF ENGLAND COLLEGE OF PHARMACY.—At the school examination recently concluded the following awards were made: *Silver Medal* for highest aggregate marks, W. Whitmore Perkins. *Chemistry, Bronze Medal.*—W. W. Perkins; *Certificates (Practical).*—W. W. Perkins, H. A. Hurlstone, G. S. Aldrich, R. Narunsky, C. R. Green, and L. V. Curtis; (*Theory*) W. W. Perkins and C. R. Snell. *Pharmacy, Bronze Medal.*—Mr. L. V. Curtis; *Certificates (Dispensing).*—H. A. Hurlstone, G. H. Rimmington, J. Forbes, S. A. Milbank, L. V. Curtis, and R. C. Snell; (*Theory*) W. W. Perkins, G. H. Rimmington, J. Forbes, and L. V. Curtis. *Materia Medica, Bronze Medal.*—W. W. Perkins; *Certificate*, G. H. Rimmington. *Botany, Bronze Medal.*—Mr. G. H. Rimmington; *Certificate*, W. W. Perkins. The "Attenborough" Prize for dispensing was awarded to Mr. L. V. Curtis.

THE LONDON COLLEGE OF PHARMACY.—At the College examinations held recently medals and certificates were awarded to the following: *Silver Medal for the highest aggregate marks.*—F. C. Highfield. *Chemistry.—Bronze Medal,* J. E. H. Burgess; *Certificates,* F. C. Highfield, H. C. Pettet, F. C. Farrell, A. Duffield, G. W. Cheater, C. Fairhead, H. Robinson, D. C. Phillips, A. R. Price, D. Maddison, A. E. Jones, F. Hipkin, and R. G. Matthews. *Botany.—Bronze Medal,* F. C. Highfield; *Certificates,* G. W. Cheater, H. C. Pettet, J. E. H. Burgess, A. Duffield, J. M. Bryan, F. C. Farrell, A. E. Jones, H. Robinson, R. Oxenham, F. Hipkin, R. G. Matthews, C. Fairhead, and D. Maddison. *Materia Medica.—Bronze Medal,* D. C. Phillips; *Certificates,* F. C. Farrell, G. W. Cheater, J. E. H. Burgess, H. Robinson, F. C. Highfield, H. C. Pettet, A. Duffield, A. E. Jones, F. A. Jackson, C. Fairhead, R. G. Matthews, J. M. Bryan, F. Hipkin, A. R. Price, C. C. Wren, and O. L. Maund. *Pharmacy.—Bronze Medal,* H. C. Pettet; *Certificates,* D. C. Phillips, F. C. Highfield, G. W. Cheater, A. Duffield, J. E. H. Burgess, H. Robinson, F. C. Farrell, J. M. Bryan, A. E. Jones, D. Maddison, F. A. Jackson, R. G. Matthews, A. R. Price, and B. S. Inskip.

Harrow Pharmacists' Association.

A meeting was held at the Gayton Rooms, Harrow, on January 14, Mr. Rigden presiding in the President's absence. General satisfaction was expressed on the new style of rendering accounts for the Insurance dispensing, and also upon the abolition of "Rep. mist." It was agreed to support the proposal to compile a Pharmacopœia for Middlesex, providing that mixtures therein are not to be regarded as stock mixtures. A discussion on the sale of the new laudanum and the prescribing of proprietary articles for insured patients terminated the meeting.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

Cape Province.

MR. WALTON, the South African manager of Allen & Hanburys, Ltd., has been on a visit to Cape Town from Durban.

BUSINESS is still good in Cape Town. The movement of troops still continues, and chemists near the encampments are finding plenty of work in meeting the requirements of the soldiers.

THE P.A.T.A. is "going strong," writes a correspondent. Notices are received now and again that some trader or another has had his name placed on the stop-list, which is a sign that the organisation is still much alive.

CHEMIST RIVALS.—In the Civil Court, Cape Town, in December, Mr. A. S. Pirie, chemist and druggist, Observatory, claimed 25*l.* damages for assault from Mr. W. Jopling, chemist and druggist, Station Road, Observatory. A dispute arose between the parties, who are in business near each other, as to closing-hours. It appears that Mr. Pirie does not close till late each evening, with the result that Mr. Jopling also has to keep open his shop. An attempt to come to some understanding ended in blows. Defendant admitted liability, and tendered 5*l.* in settlement. The Magistrate thought this insufficient, and gave judgment for plaintiff for 15*l.* damages, with costs.

SHOP-HOURS ORDINANCE.—The "Cape Times," commenting on the clauses in the draft Shop-hours Ordinance referring to chemists, states:

As hitherto, the fixing of shop-hours is left to the local authorities, and the closing-time may be fixed as early as 6 P.M. on other days than Saturdays, Christmas Eve, and New Year's Eve. No such discretion is allowed to the local authorities, however, in respect of chemists' and druggists' shops. . . . If the Administrator's new Ordinance is passed, they will be compelled, whatever hours may be fixed for other traders, to close not later than 7 P.M. on four days of the week, 1 P.M. on one day, and 9 P.M. on another day, the days to be fixed by the local authority. Thus where the Municipal or Rural Council, or the Village Management Board, has made no order under the Ordinance in respect of general dealers, a trader who holds a chemist's and druggist's licence will be placed at a disadvantage; this is a point in which the Ordinance will require to be amended before it becomes law. A recent controversy in our correspondence columns has shown, however, that chemists and druggists will generally, though not universally, welcome the regulation of their hours of opening. The difficulty always has been, and always will be, that the public interest demands that chemists should be allowed to sell certain commodities whenever they are required. The Ordinance contains a proviso that "medicines or medical or surgical appliances" may be supplied at any time; but it is by no means certain that this gets over the difficulty. Is a drunkard's "pick-me-up" a medicine? If a poor mother has broken her baby's only feeding-bottle, can she claim to be served with a new one as a "medical appliance"? Are veterinary medicines included? These are only a few of the questions that might puzzle a conscientious chemist, and it is conceivable that the most contradictory decisions might be given by different magistrates. A law which leaves so much to the discretion of the police and the magistrate is scarcely satisfactory.

Netherlands Notes.

(From the "C. & D." Correspondent.)

Export-duty Proposal.—The Bill proposing to impose an export-duty of 8 per cent. has been withdrawn by the Minister. (See *C. & D.*, November 21, 1894, p. 59.)

Belgian Students, who have sheltered in Holland are now to continue their education at a school at Amersfoort. Various professors from the Belgian universities are to deliver courses of lectures, and some of the professors of Utrecht and Groningen have also promised to assist in the educational work.

War-loan.—The Government issued proposals for raising a war loan of 275 million guilders, and, in case the loan was not taken up, power was given to compel Dutch subjects to purchase stock. The latter proposals have proved to be unnecessary, as subscriptions were received for 402 million guilders.

Dutch Pharmacopœia.—By Royal Decree April 1 has been fixed as the date of the coming into force of the second supplement to the Dutch Pharmacopœia Ed. IV. The "Pharm. Weekbl." is informed that a reprint of the fourth edition of the Dutch Pharmacopœia is to be issued, containing all the alterations and articles which have been added since the work was published in 1906.

Andreas Vesalius.—The four hundredth anniversary of the birth of Andreas Vesalius, the anatomist, was celebrated by the publication of a special number of the "Nederlandsch Tijdschrift voor Geneeskunde," consisting of a series of articles devoted to the work of this pioneer in medical science. Versalius was born in Brussels on December 31, 1514, and the celebration of that event was held on January 2 at Leyden owing to the war. Versalius was the first to attack seriously the doctrines of Galen. The number referred to is well illustrated.

The Toxicity of Saccharin is the subject of a research by Professor Dr. E. Vershaffelt, of the Amsterdam University, the results of which are reported in the "Pharmaceutisch Weekblad." Experiments were made as to the influence of saccharin on vegetable cells and protoplasm, from which the conclusion is reached that this substance is prejudicial to vegetable organisms. Another part of the research was a study of the relation of chemical structure to the toxicity of the chemical. Sodium benzoate was found to be much more injurious to plants than saccharin when administered in equivalent molecular proportions. Other experiments showed that sulphonated derivatives are generally less toxic than the chemical *per se*. Saccharin, however, is much more poisonous than related sulpho-derivatives, such as sodium sulpho-benzoate. This is the more remarkable as the sodium salts of aromatic sulpho-derivatives are generally only slightly poisonous, although harmful to vegetable cells. The conclusion reached is that saccharin and its sodium salt are general protoplasm-poisons.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Monday January 25.

Royal Society of Arts, John Street, Adelphi, London, W.C., at 8 P.M. Dr. F. Mollwo Perkin, F.I.C., on "Oils, their Production and Manufacture" (Cantor Lecture II.).

Tuesday, January 26

Cardiff Pharmaceutical Association, Angel Hotel, at 8.45 P.M. Annual meeting and paper by Mr. S. B. Eason on "The Insurance Act."

Pharmacy Athletic Club, Charing Cross Halls, 490 Sauchiehall Street, Glasgow. Whist-drive and musical evening. Tickets (ladies 2*s.*, gentlemen 2*s.* 6*d.*) from Mr. W. Sievwright, 22 Nithsdale Road, Pollokshields.

West Bromwich Pharmaceutical Association, at 9 P.M. Annual meeting.

Wednesday, January 27.

Pharmaceutical Society of Great Britain, 36 York Place, Edinburgh, at 8.30 P.M. Evening meeting. Mr. J. P. Gilmour on "The British Pharmacopœia, 1914, in its Bearing on Officinal Pharmacy."

Public Pharmacists' and Dispensers' Association, St. Bride Institute, Ludgate Circus, London, E.C., at 8 P.M. Annual general meeting.

Liverpool Chemists' Association, Royal Institution, Colquitt Street, at 8 P.M. Annual meeting and election of officers. Mr. H. Humphreys-Jones, F.C.S., will give "Some Notes on the New British Pharmacopœia."

Thames Valley Pharmacists' Association, Thames Valley Café, 40 Clarence Street, Kingston-on-Thames, at 3 P.M. Meeting, at which will be discussed "The British Pharmacopœia" and "The Ucal System."

Cardiff Pharmaceutical Association, Woolworth's Café, at 7 P.M. Whist-drive in aid of the Belgian Doctors' and Pharmacists' Relief Fund. Tickets (2*s.* 6*d.* each) from Mr. Fred. Lea, 238A Cowbridge Road, Cardiff.

Thursday, January 28.

Chemists' Assistants' Association, 17 Bloomsbury Square, London, W.C., at 8.30 P.M. Whist-drive and musical evening.

Friday January 29.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 9 P.M. Dr. Dugald Clerk, F.R.S., on "Gaseous Explosions."

WEST HAM ASSOCIATION OF PHARMACISTS.—The annual dinner will be held at the London Tavern, Fenchurch Street, London, E.C., on February 11. Tickets (5*s.* each) from the Hon. Secretary, Mr. A. H. Cleland, 180 High Road, Leytonstone, N.E. The profits will be given to the Belgian Doctors' and Pharmacists' Relief Fund.

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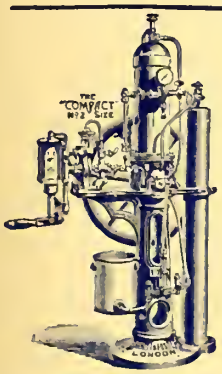

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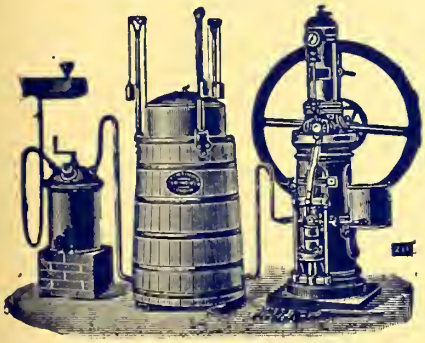

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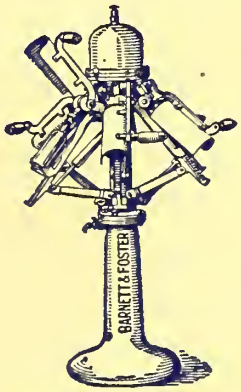

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